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 CHAWLA, Narinder K.; BAUGHN, Mariah R.;  
 LEE, Soo Yeun; TRAN, Uyen K.;  
 YUE, Henry; NGUYEN, Danniel B.;  
 THORNTON, Michael B.; GURURAJAN, Rajagopal;  
 GANDHI, Ameena R.; LU, Yan;  
 YAO, Monique G.; LI, Joana X.;  
 LUO, Wen; LEE, Ernestine A.;  
 FORSYTHE, Ian J.; ISON, Craig H.;  
 WILSON, Amy D.; JIN, Pei

<120> KINASES AND PHOSPHATASES

<130> PF-1506 PCT

<140> To Be Assigned

<141> Herewith

<150> US 60/467,491

<151> 2003-04-30

<150> US 60/469,441

<151> 2003-05-09

<150> US 60/476,408

<151> 2003-06-05

<150> US 60/494,656

<151> 2003-08-12

<150> US 60/524,415

<151> 2003-11-20

<150> US 60/528,750

<151> 2003-12-10

<160> 86

<170> PERL Program

<210> 1

<211> 83

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 7517831CD1

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Met	Gly	Cys	Gly	Cys	Ser	Ser	His	Pro	Glu	Asp	Asp	Trp	Met	Glu
1				5					10					15
Asn	Ile	Asp	Val	Cys	Glu	Asn	Cys	His	Tyr	Pro	Ile	Val	Pro	Leu
				20					25					30
Asp	Gly	Lys	Gly	Thr	Leu	Leu	Ile	Arg	Asn	Gly	Ser	Glu	Thr	Thr
				35					40					45
Trp	Leu	Ser	Leu	Cys	Thr	Ala	Met	Ser	Pro	Leu	Thr	Thr	Glu	Ile
				50					55					60
Trp	Ala	Leu	Arg	Arg	Gly	Asn	Ser	Ser	Ala	Ser	Trp	Ser	Arg	Ala
				65					70					75
Ala	Ser	Gly	Gly	Arg	Arg	Ser	Pro							
														80

<210> 2  
 <211> 292  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7520272CD1

<400> 2  
 Met Ala Asp Gln Ala Pro Phe Asp Thr Asp Val Asn Thr Leu Thr  
 1 5 10 15  
 Arg Phe Val Met Glu Glu Gly Arg Lys Ala Arg Gly Thr Gly Glu  
 20 25 30  
 Leu Thr Gln Leu Leu Asn Ser Leu Cys Thr Ala Val Lys Ala Ile  
 35 40 45  
 Ser Ser Ala Val Arg Lys Ala Gly Ile Ala His Leu Tyr Gly Ile  
 50 55 60  
 Ala Gly Ser Thr Asn Val Thr Gly Asp Gln Val Lys Lys Leu Asp  
 65 70 75  
 Val Leu Ser Asn Asp Leu Val Met Asn Met Leu Lys Ser Ser Phe  
 80 85 90  
 Ala Thr Cys Val Leu Val Ser Glu Glu Asp Lys His Ala Ile Ile  
 95 100 105  
 Val Glu Pro Glu Lys Arg Gly Lys Tyr Val Val Cys Phe Asp Pro  
 110 115 120  
 Leu Asp Gly Ser Ser Asn Ile Asp Cys Leu Val Ser Val Gly Thr  
 125 130 135  
 Ile Phe Gly Ile Tyr Arg Lys Lys Ser Thr Asp Glu Pro Ser Glu  
 140 145 150  
 Lys Asp Ala Leu Gln Pro Gly Arg Asn Leu Val Ala Ala Gly Tyr  
 155 160 165  
 Ala Leu Tyr Gly Ser Ala Thr Met Leu Val Leu Ala Met Asp Cys  
 170 175 180  
 Gly Val Asn Cys Phe Met Leu Asp Pro Asp Asn Ser Ala Pro Tyr  
 185 190 195  
 Gly Ala Arg Tyr Val Gly Ser Met Val Ala Asp Val His Arg Thr  
 200 205 210  
 Leu Val Tyr Gly Gly Ile Phe Leu Tyr Pro Ala Asn Lys Lys Ser  
 215 220 225  
 Pro Asn Gly Lys Leu Arg Leu Leu Tyr Glu Cys Asn Pro Met Ala  
 230 235 240  
 Tyr Val Met Glu Lys Ala Gly Gly Met Ala Thr Thr Gly Lys Glu  
 245 250 255  
 Ala Val Leu Asp Val Ile Pro Thr Asp Ile His Gln Arg Ala Pro  
 260 265 270  
 Val Ile Leu Gly Ser Pro Asp Asp Val Leu Glu Phe Leu Lys Val  
 275 280 285  
 Tyr Glu Lys His Ser Ala Gln  
 290

<210> 3  
 <211> 434  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7521279CD1

<400> 3  
 Met Ala Ser Pro Arg Glu Leu Thr Gln Asn Pro Leu Lys Lys Ile  
 1 5 10 15  
 Trp Met Pro Tyr Ser Asn Gly Arg Pro Ala Leu His Ala Cys Gln

20	25	30
Arg Gly Val Cys Met Thr Asn Cys Pro Thr Leu Ile Val Met Val		
35	40	45
Gly Leu Pro Ala Arg Gly Lys Thr Tyr Ile Ser Lys Lys Leu Thr		
50	55	60
Arg Tyr Leu Asn Trp Ile Gly Val Pro Thr Arg Glu Phe Asn Val		
65	70	75
Gly Gln Tyr Arg Arg Asp Val Val Lys Thr Tyr Lys Ser Phe Glu		
80	85	90
Phe Phe Leu Pro Asp Asn Glu Glu Gly Leu Lys Ile Arg Lys Gln		
95	100	105
Cys Ala Leu Ala Ala Leu Arg Asp Val Arg Arg Phe Leu Ser Glu		
110	115	120
Glu Gly Gly His Val Ala Val Phe Asp Ala Thr Asn Thr Thr Arg		
125	130	135
Glu Arg Arg Ala Thr Ile Phe Asn Phe Gly Glu Gln Asn Gly Tyr		
140	145	150
Lys Thr Phe Phe Val Glu Ser Ile Cys Val Asp Pro Glu Val Ile		
155	160	165
Ala Ala Asn Ile Val Gln Val Lys Leu Gly Ser Pro Asp Tyr Val		
170	175	180
Asn Arg Asp Ser Asp Glu Ala Thr Glu Asp Phe Met Arg Arg Ile		
185	190	195
Glu Cys Tyr Glu Asn Ser Tyr Glu Ser Leu Asp Glu Asp Leu Asp		
200	205	210
Arg Asp Leu Ser Tyr Ile Lys Ile Met Asp Val Gly Gln Ser Tyr		
215	220	225
Val Val Asn Arg Val Ala Asp His Ile Gln Ser Arg Ile Val Tyr		
230	235	240
Tyr Leu Met Asn Ile His Val Thr Pro Arg Ser Ile Tyr Leu Cys		
245	250	255
Arg His Gly Glu Ser Glu Leu Asn Leu Lys Gly Arg Ile Gly Gly		
260	265	270
Asp Pro Gly Leu Ser Pro Arg Gly Arg Glu Phe Ala Lys Ser Leu		
275	280	285
Ala Gln Phe Ile Ser Asp Gln Asn Ile Lys Asp Leu Lys Val Trp		
290	295	300
Thr Ser Gln Met Lys Arg Thr Ile Gln Thr Ala Glu Ala Leu Gly		
305	310	315
Val Pro Tyr Glu Gln Trp Lys Val Leu Asn Glu Ile Asp Ala Ser		
320	325	330
Tyr Glu Asp Leu Val Gln Arg Leu Glu Pro Val Ile Met Glu Leu		
335	340	345
Glu Arg Gln Glu Asn Val Leu Val Ile Cys His Gln Ala Val Met		
350	355	360
Arg Cys Leu Leu Ala Tyr Phe Leu Asp Lys Ala Ala Glu Gln Leu		
365	370	375
Pro Tyr Leu Lys Cys Pro Leu His Thr Val Leu Lys Leu Thr Pro		
380	385	390
Val Ala Tyr Gly Cys Lys Val Glu Ser Ile Phe Leu Asn Val Ala		
395	400	405
Ala Val Asn Thr His Arg Asp Arg Pro Gln Asn Val Asp Ile Ser		
410	415	420
Arg Pro Pro Glu Glu Ala Leu Val Thr Val Pro Ala His Gln		
425	430	

&lt;210&gt; 4

&lt;211&gt; 240

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7523965CD1

&lt;400&gt; 4

Met	Ala	Ala	Leu	Tyr	Arg	Pro	Gly	Leu	Arg	Leu	Asn	Trp	His	Gly
1				5					10					15
Leu	Ser	Pro	Leu	Gly	Trp	Pro	Ser	Cys	Arg	Ser	Ile	Gln	Thr	Leu
				20					25					30
Arg	Val	Leu	Ser	Gly	Asp	Leu	Gly	Gln	Leu	Pro	Thr	Gly	Ile	Arg
				35					40					45
Asp	Phe	Val	Glu	His	Ser	Ala	Arg	Leu	Cys	Gln	Pro	Glu	Gly	Ile
				50					55					60
His	Ile	Cys	Asp	Gly	Thr	Glu	Ala	Glu	Asn	Thr	Ala	Thr	Leu	Thr
				65					70					75
Leu	Leu	Glu	Gln	Gln	Gly	Leu	Ile	Arg	Lys	Leu	Pro	Lys	Tyr	Asn
				80					85					90
Asn	Cys	Trp	Leu	Ala	Arg	Thr	Asp	Pro	Lys	Asp	Val	Ala	Arg	Val
				95					100					105
Glu	Ser	Lys	Thr	Val	Ile	Val	Thr	Pro	Ser	Gln	Arg	Asp	Thr	Val
				110					115					120
Pro	Leu	Pro	Pro	Gly	Gly	Ala	Arg	Gly	Gln	Leu	Gly	Asn	Trp	Met
				125					130					135
Ser	Pro	Ala	Asp	Phe	Gln	Arg	Ala	Val	Asp	Glu	Arg	Phe	Pro	Gly
				140					145					150
Cys	Met	Gln	Gly	Arg	Thr	Met	Tyr	Val	Leu	Pro	Phe	Ser	Met	Gly
				155					160					165
Pro	Val	Gly	Ser	Pro	Leu	Ser	Arg	Ile	Gly	Val	Gln	Leu	Thr	Asp
				170					175					180
Ser	Ala	Tyr	Val	Val	Ala	Ser	Met	Arg	Ile	Met	Thr	Arg	Leu	Gly
				185					190					195
Thr	Pro	Val	Leu	Gln	Ala	Leu	Gly	Asp	Gly	Asp	Phe	Val	Lys	Cys
				200					205					210
Leu	His	Ser	Val	Gly	Gln	Pro	Leu	Thr	Gly	Gln	Asp	Pro	Gly	His
				215					220					225
His	Gln	Pro	Cys	Arg	Glu	Glu	Ala	Leu	Cys	Gly	Ser	Arg	Leu	Pro
				230					235					240

&lt;210&gt; 5

&lt;211&gt; 199

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7524016CD1

&lt;400&gt; 5

Met	Glu	Glu	Lys	Thr	Ser	Arg	Ile	Lys	Ala	Ser	Ile	Pro	Gln	Phe
1				5					10					15
Thr	Asn	Ser	Pro	Thr	Met	Val	Ile	Met	Val	Gly	Leu	Pro	Ala	Arg
				20					25					30
Gly	Lys	Thr	Tyr	Ile	Ser	Thr	Lys	Leu	Thr	Arg	Tyr	Leu	Asn	Trp
				35					40					45
Ile	Gly	Thr	Pro	Thr	Lys	Val	Phe	Asn	Leu	Gly	Gln	Tyr	Arg	Arg
				50					55					60
Glu	Ala	Val	Ser	Tyr	Lys	Asn	Tyr	Glu	Phe	Phe	Leu	Pro	Asp	Asn
				65					70					75
Met	Glu	Ala	Leu	Gln	Ile	Arg	Lys	Gln	Cys	Ala	Leu	Ala	Ala	Leu
				80					85					90
Lys	Asp	Val	His	Asn	Tyr	Leu	Ser	His	Glu	Glu	Gly	His	Val	Ala
				95					100					105
Val	Phe	Asp	Ala	Thr	Asn	Thr	Thr	Arg	Glu	Arg	Arg	Ser	Leu	Ile
				110					115					120
Leu	Gln	Phe	Ala	Lys	Glu	His	Gly	Tyr	Lys	Val	Phe	Phe	Ile	Glu
				125					130					135
Ser	Ile	Cys	Asn	Asp	Pro	Gly	Ile	Ile	Ala	Glu	Asn	Ile	Arg	Gln

	140		145		150
Val Lys Leu Gly Ser Pro Asp Tyr Ile	Asp Cys Asp Arg Glu Lys				
	155		160		165
Val Leu Glu Asp Phe Leu Lys Arg Ile	Glu Cys Tyr Glu Val Asn				
	170		175		180
Tyr Gln Pro Leu Asp Glu Glu Leu Asp	Arg Ser Ser Thr Trp Ala				
	185		190		195
His Ala Thr Trp					

&lt;210&gt; 6

&lt;211&gt; 406

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7524680CD1

&lt;400&gt; 6

Met Glu Glu Lys Thr Ser Arg Ile Lys Val Phe Asn Leu Gly Gln	
1 5 10 15	
Tyr Arg Arg Glu Ala Val Ser Tyr Lys Asn Tyr Glu Phe Phe Leu	
20 25 30	
Pro Asp Asn Met Glu Ala Leu Gln Ile Arg Lys Gln Cys Ala Leu	
35 40 45	
Ala Ala Leu Lys Asp Val His Asn Tyr Leu Ser His Glu Glu Gly	
50 55 60	
His Val Ala Val Phe Asp Ala Thr Asn Thr Thr Arg Glu Arg Arg	
65 70 75	
Ser Leu Ile Leu Gln Phe Ala Lys Glu His Gly Tyr Lys Val Phe	
80 85 90	
Phe Ile Glu Ser Ile Cys Asn Asp Pro Gly Ile Ile Ala Glu Asn	
95 100 105	
Ile Arg Gln Val Lys Leu Gly Ser Pro Asp Tyr Ile Asp Cys Asp	
110 115 120	
Arg Glu Lys Val Leu Glu Asp Phe Leu Lys Arg Ile Glu Cys Tyr	
125 130 135	
Glu Val Asn Tyr Gln Pro Leu Asp Glu Glu Leu Asp Ser His Leu	
140 145 150	
Ser Tyr Ile Lys Ile Phe Asp Val Gly Thr Arg Tyr Met Val Asn	
155 160 165	
Arg Val Gln Asp His Ile Gln Ser Arg Thr Val Tyr Tyr Leu Met	
170 175 180	
Asn Ile His Val Thr Pro Arg Ser Ile Tyr Leu Cys Arg His Gly	
185 190 195	
Glu Ser Glu Leu Asn Ile Arg Gly Arg Ile Gly Gly Asp Ser Gly	
200 205 210	
Leu Ser Val Arg Gly Lys Gln Tyr Ala Tyr Ala Leu Ala Asn Phe	
215 220 225	
Ile Gln Ser Gln Gly Ile Ser Ser Leu Lys Val Trp Thr Ser His	
230 235 240	
Met Lys Arg Thr Ile Gln Thr Ala Glu Ala Leu Gly Val Pro Tyr	
245 250 255	
Glu Gln Trp Lys Ala Leu Asn Glu Ile Asp Ala Gly Val Cys Glu	
260 265 270	
Glu Met Thr Tyr Glu Glu Ile Gln Glu His Tyr Pro Glu Glu Phe	
275 280 285	
Ala Leu Arg Asp Gln Asp Lys Tyr Arg Tyr Arg Tyr Pro Lys Gly	
290 295 300	
Glu Ser Tyr Glu Asp Leu Val Gln Arg Leu Glu Pro Val Ile Met	
305 310 315	
Glu Leu Glu Arg Gln Glu Asn Val Leu Val Ile Cys His Gln Ala	
320 325 330	

Val Met Arg Cys	Leu Leu Ala Tyr Phe	Leu Asp Lys Ser Ser Asp	
	335	340	345
Glu Leu Pro Tyr	Leu Lys Cys Pro Leu His	Thr Val Leu Lys Leu	
	350	355	360
Thr Pro Val Ala	Tyr Gly Cys Lys Val Glu	Ser Ile Tyr Leu Asn	
	365	370	375
Val Glu Thr Val	Asn Thr His Arg Glu Lys	Pro Glu Asn Val Asp	
	380	385	390
Ile Thr Arg Glu	Pro Glu Glu Ala Leu Asp	Thr Val Pro Ala His	
	395	400	405
Tyr			

&lt;210&gt; 7

&lt;211&gt; 426

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7524757CD1

&lt;400&gt; 7

Met Glu Glu Lys Thr	Ser Arg Ile Lys Ala	Ser Ile Pro Gln Phe	
1	5	10	15
Thr Asn Ser Pro Thr	Met Val Ile Met Val	Gly Leu Pro Ala Arg	
	20	25	30
Gly Lys Thr Tyr Ile	Ser Thr Lys Leu Thr	Arg Tyr Leu Asn Trp	
	35	40	45
Ile Gly Thr Pro Thr	Lys Asp Asn Met Glu	Ala Leu Gln Ile Arg	
	50	55	60
Lys Gln Cys Ala Leu	Ala Ala Leu Lys Asp	Val His Asn Tyr Leu	
	65	70	75
Ser His Glu Glu Gly	His Val Ala Val Phe	Asp Ala Thr Asn Thr	
	80	85	90
Thr Arg Glu Arg Arg	Ser Leu Ile Leu Gln	Phe Ala Lys Glu His	
	95	100	105
Gly Tyr Lys Val Phe	Phe Ile Glu Ser Ile	Cys Asn Asp Pro Gly	
	110	115	120
Ile Ile Ala Glu Asn	Ile Arg Gln Val Lys	Leu Gly Ser Pro Asp	
	125	130	135
Tyr Ile Asp Cys Asp	Arg Glu Lys Val Leu	Glu Asp Phe Leu Lys	
	140	145	150
Arg Ile Glu Cys Tyr	Glu Val Asn Tyr Gln	Pro Leu Asp Glu Glu	
	155	160	165
Leu Asp Ser His Leu	Ser Tyr Ile Lys Ile	Phe Asp Val Gly Thr	
	170	175	180
Arg Tyr Met Val Asn	Arg Val Gln Asp His	Ile Gln Ser Arg Thr	
	185	190	195
Val Tyr Tyr Leu Met	Asn Ile His Val Thr	Pro Arg Ser Ile Tyr	
	200	205	210
Leu Cys Arg His Gly	Glu Ser Glu Leu Asn	Ile Arg Gly Arg Ile	
	215	220	225
Gly Gly Asp Ser Gly	Leu Ser Val Arg Gly	Lys Gln Tyr Ala Tyr	
	230	235	240
Ala Leu Ala Asn Phe	Ile Gln Ser Gln Gly	Ile Ser Ser Leu Lys	
	245	250	255
Val Trp Thr Ser His	Met Lys Arg Thr Ile	Gln Thr Ala Glu Ala	
	260	265	270
Leu Gly Val Pro Tyr	Glu Gln Trp Lys Ala	Leu Asn Glu Ile Asp	
	275	280	285
Ala Gly Val Cys Glu	Glu Met Thr Tyr Glu	Glu Ile Arg Glu His	
	290	295	300
Tyr Pro Glu Glu Phe	Ala Leu Arg Asp Gln	Asp Lys Tyr Arg Tyr	

	305		310		315
Arg Tyr Pro Lys Gly	Glu Ser Tyr Glu Asp	Leu Val Gln Arg Leu			
	320		325		330
Glu Pro Val Ile Met	Glu Leu Glu Arg Gln	Glu Asn Val Leu Val			
	335		340		345
Ile Cys His Gln Ala	Val Met Arg Cys Leu	Leu Ala Tyr Phe Leu			
	350		355		360
Asp Lys Ser Ser Asp	Glu Leu Pro Tyr Leu	Lys Cys Pro Leu His			
	365		370		375
Thr Val Leu Lys Leu	Thr Pro Val Ala Tyr	Gly Cys Lys Val Glu			
	380		385		390
Ser Ile Tyr Leu Asn	Val Glu Ala Val Asn	Thr His Arg Glu Lys			
	395		400		405
Pro Glu Asn Val Asp	Ile Thr Arg Glu Pro	Glu Glu Ala Leu Asp			
	410		415		420
Thr Val Pro Ala His	Tyr				
	425				

&lt;210&gt; 8

&lt;211&gt; 355

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7516229CD1

&lt;400&gt; 8

Met Ala Thr Pro Gly	Asn Leu Gly Ser Ser	Val Leu Ala Ser Lys			
1	5	10			15
Thr Lys Thr Lys Lys	Lys His Phe Val Ala	Gln Lys Val Lys Leu			
	20	25			30
Phe Arg Ala Ser Asp	Pro Leu Leu Ser Val	Leu Met Trp Gly Val			
	35	40			45
Asn His Ser Ile Asn	Glu Leu Ser His Val	Gln Ile Pro Val Met			
	50	55			60
Leu Met Pro Asp Asp	Phe Lys Ala Tyr Ser	Lys Ile Lys Val Asp			
	65	70			75
Asn His Leu Phe Asn	Lys Glu Asn Met Pro	Ser His Phe Lys Phe			
	80	85			90
Lys Glu Tyr Cys Pro	Met Val Phe Arg Asn	Leu Arg Glu Arg Phe			
	95	100			105
Gly Ile Asp Asp Gln	Asp Phe Gln Tyr Ile	Val Glu Cys His Gly			
	110	115			120
Ile Thr Leu Leu Pro	Gln Phe Leu Gly Met	Tyr Arg Leu Asn Val			
	125	130			135
Asp Gly Val Glu Ile	Tyr Val Ile Val Thr	Arg Asn Val Phe Ser			
	140	145			150
His Arg Leu Ser Val	Tyr Arg Lys Tyr Asp	Leu Lys Gly Ser Thr			
	155	160			165
Val Ala Arg Glu Ala	Ser Asp Lys Glu Lys	Ala Lys Glu Leu Pro			
	170	175			180
Thr Leu Lys Asp Asn	Asp Phe Ile Asn Glu	Gly Gln Lys Ile Tyr			
	185	190			195
Ile Asp Asp Asn Asn	Lys Lys Val Phe Leu	Glu Lys Leu Lys Lys			
	200	205			210
Asp Val Glu Phe Leu	Ala Gln Leu Lys Leu	Met Asp Tyr Ser Leu			
	215	220			225
Leu Val Gly Ile His	Asp Val Glu Arg Ala	Glu Gln Glu Glu Val			
	230	235			240
Glu Cys Glu Glu Asn	Asp Gly Glu Glu Glu	Gly Glu Ser Asp Gly			
	245	250			255
Thr His Pro Val Gly	Thr Pro Pro Asp Ser	Pro Gly Asn Thr Leu			
	260	265			270

Asn	Ser	Ser	Pro	Pro	Leu	Ala	Pro	Gly	Glu	Phe	Asp	Pro	Asn	Ile
				275					280					285
Asp	Val	Tyr	Gly	Ile	Lys	Cys	His	Glu	Asn	Ser	Pro	Arg	Lys	Glu
				290					295					300
Val	Tyr	Phe	Met	Ala	Ile	Ile	Asp	Ile	Leu	Thr	His	Tyr	Asp	Ala
				305					310					315
Lys	Lys	Lys	Ala	Ala	His	Ala	Ala	Lys	Thr	Val	Lys	His	Gly	Ala
				320					325					330
Gly	Ala	Glu	Ile	Ser	Thr	Val	Asn	Pro	Glu	Gln	Tyr	Ser	Lys	Arg
				335					340					345
Phe	Leu	Asp	Phe	Ile	Gly	His	Ile	Leu	Thr					
				350					355					

&lt;210&gt; 9

&lt;211&gt; 543

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7516525CD1

&lt;400&gt; 9

Met	Glu	Gly	Gly	Pro	Ala	Val	Cys	Cys	Gln	Asp	Pro	Arg	Ala	Glu
1				5					10					15
Leu	Val	Glu	Arg	Val	Ala	Ala	Ile	Asp	Val	Thr	His	Leu	Glu	Glu
				20					25					30
Ala	Asp	Gly	Gly	Pro	Glu	Pro	Thr	Arg	Asn	Gly	Val	Asp	Pro	Pro
				35					40					45
Pro	Arg	Ala	Arg	Ala	Ala	Ser	Val	Ile	Pro	Gly	Ser	Thr	Ser	Arg
				50					55					60
Leu	Leu	Pro	Ala	Arg	Pro	Ser	Leu	Ser	Ala	Arg	Lys	Leu	Ser	Leu
				65					70					75
Gln	Glu	Arg	Pro	Ala	Gly	Ser	Tyr	Leu	Glu	Ala	Gln	Ala	Gly	Pro
				80					85					90
Tyr	Ala	Thr	Gly	Pro	Ala	Ser	His	Ile	Ser	Pro	Arg	Ala	Trp	Arg
				95					100					105
Arg	Pro	Thr	Ile	Glu	Ser	His	His	Val	Ala	Ile	Ser	Asp	Ala	Glu
				110					115					120
Asp	Cys	Val	Gln	Leu	Asn	Gln	Tyr	Lys	Leu	Gln	Ser	Glu	Ile	Gly
				125					130					135
Lys	Gly	Ala	Tyr	Gly	Val	Val	Arg	Pro	Ala	Tyr	Asn	Glu	Ser	Glu
				140					145					150
Asp	Arg	His	Tyr	Ala	Met	Lys	Val	Leu	Ser	Lys	Lys	Lys	Leu	Leu
				155					160					165
Lys	Gln	Tyr	Gly	Phe	Pro	Arg	Arg	Pro	Pro	Pro	Arg	Gly	Ser	Gln
				170					175					180
Ala	Ala	Gln	Gly	Gly	Pro	Ala	Lys	Gln	Leu	Leu	Pro	Leu	Glu	Arg
				185					190					195
Val	Tyr	Gln	Glu	Ile	Ala	Ile	Leu	Lys	Lys	Leu	Asp	His	Val	Asn
				200					205					210
Val	Val	Lys	Leu	Ile	Glu	Val	Leu	Asp	Asp	Pro	Ala	Glu	Asp	Asn
				215					220					225
Leu	Tyr	Leu	Ala	Leu	Gln	Asn	Gln	Ala	Gln	Asn	Ile	Gln	Leu	Asp
				230					235					240
Ser	Thr	Asn	Ile	Ala	Lys	Pro	His	Ser	Leu	Leu	Pro	Ser	Glu	Gln
				245					250					255
Gln	Asp	Ser	Gly	Ser	Thr	Trp	Ala	Ala	Arg	Ser	Val	Phe	Asp	Leu
				260					265					270
Leu	Arg	Lys	Gly	Pro	Val	Met	Glu	Val	Pro	Cys	Asp	Lys	Pro	Phe
				275					280					285
Ser	Glu	Glu	Gln	Ala	Arg	Leu	Tyr	Leu	Arg	Asp	Val	Ile	Leu	Gly
				290					295					300
Leu	Glu	Tyr	Leu	His	Cys	Gln	Lys	Ile	Val	His	Arg	Asp	Ile	Lys

Pro	Ser	Asn	Leu	305	Leu	Leu	Gly	Asp	Asp	Gly	His	Val	Lys	Ile	Ala	310	315
Asp	Phe	Gly	Val	320	Ser	Asn	Gln	Phe	Glu	Gly	Asn	Asp	Ala	Gln	Leu	325	330
Ser	Ser	Thr	Ala	335	Gly	Thr	Pro	Ala	Phe	Met	Ala	Pro	Glu	Ala	Ile	340	345
Ser	Asp	Ser	Gly	350	Gln	Ser	Phe	Ser	Gly	Lys	Ala	Leu	Asp	Val	Trp	355	360
Ala	Thr	Gly	Val	365	Thr	Leu	Tyr	Cys	Phe	Val	Tyr	Gly	Lys	Cys	Pro	370	375
Phe	Ile	Asp	Asp	380	Phe	Ile	Leu	Ala	Leu	His	Arg	Lys	Ile	Lys	Asn	385	390
Glu	Pro	Val	Val	395	Phe	Pro	Glu	Gly	Pro	Glu	Ile	Ser	Glu	Glu	Leu	400	405
Lys	Asp	Leu	Ile	410	Leu	Lys	Met	Leu	Asp	Lys	Asn	Pro	Glu	Thr	Arg	415	420
Ile	Gly	Val	Pro	425	Asp	Ile	Lys	Leu	His	Pro	Trp	Val	Thr	Lys	Asn	430	435
Gly	Glu	Glu	Pro	440	Ile	Pro	Ser	Glu	Glu	Glu	His	Cys	Ser	Val	Val	445	450
Glu	Val	Thr	Glu	455	Glu	Glu	Val	Lys	Asn	Ser	Val	Arg	Leu	Ile	Pro	460	465
Ser	Trp	Thr	Thr	470	Val	Ile	Leu	Val	Lys	Ser	Met	Leu	Arg	Lys	Arg	475	480
Ser	Phe	Gly	Asn	485	Pro	Phe	Glu	Pro	Gln	Ala	Arg	Arg	Glu	Glu	Arg	490	495
Ser	Met	Ser	Ala	500	Pro	Gly	Asn	Leu	Leu	Val	Lys	Glu	Gly	Phe	Gly	505	510
Glu	Gly	Gly	Lys	515	Ser	Pro	Glu	Leu	Pro	Gly	Val	Gln	Glu	Asp	Glu	520	525
Ala	Ala	Ser		530												535	540

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 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7516533CD1

Met	Arg	Arg	Arg	Arg	Arg	Arg	Asp	Gly	Phe	Tyr	Pro	Ala	Pro	Asp			
1					5				10					15			
Phe	Arg	Asp	Arg	Glu	Ala	Glu	Asp	Met	Ala	Gly	Val	Phe	Asp	Ile			
				20					25					30			
Asp	Leu	Asp	Gln	Pro	Glu	Asp	Ala	Gly	Ser	Glu	Asp	Glu	Leu	Glu			
				35					40					45			
Glu	Gly	Ala	Met	Ile	Val	Arg	Asn	Ala	Lys	Asp	Thr	Ala	His	Thr			
				50					55					60			
Lys	Ala	Glu	Arg	Asn	Ile	Leu	Glu	Glu	Val	Lys	His	Pro	Phe	Ile			
				65					70					75			
Val	Asp	Leu	Ile	Tyr	Ala	Phe	Gln	Thr	Gly	Gly	Lys	Leu	Tyr	Leu			
				80					85					90			
Ile	Leu	Glu	Tyr	Leu	Ser	Gly	Gly	Glu	Leu	Phe	Met	Gln	Leu	Glu			
				95					100					105			
Arg	Glu	Gly	Ile	Phe	Met	Glu	Asp	Thr	Ala	Cys	Phe	Tyr	Leu	Ala			
				110					115					120			
Glu	Ile	Ser	Met	Ala	Leu	Gly	His	Leu	His	Gln	Lys	Gly	Ile	Ile			
				125					130					135			
Tyr	Arg	Asp	Leu	Lys	Pro	Glu	Asn	Ile	Met	Leu	Asn	His	Gln	Gly			
				140					145					150			

His	Val	Lys	Leu	Thr	Asp	Phe	Gly	Leu	Cys	Lys	Glu	Ser	Ile	His
				155					160					165
Asp	Gly	Thr	Val	Thr	His	Thr	Phe	Cys	Gly	Thr	Ile	Glu	Tyr	Met
				170					175					180
Ala	Pro	Glu	Ile	Leu	Met	Arg	Ser	Gly	His	Asn	Arg	Ala	Val	Asp
				185					190					195
Trp	Trp	Ser	Leu	Gly	Ala	Leu	Met	Tyr	Asp	Met	Leu	Thr	Gly	Ala
				200					205					210
Pro	Pro	Phe	Thr	Gly	Glu	Asn	Arg	Lys	Lys	Thr	Ile	Asp	Lys	Ile
				215					220					225
Leu	Lys	Cys	Lys	Leu	Asn	Leu	Pro	Pro	Tyr	Leu	Thr	Gln	Glu	Ala
				230					235					240
Arg	Asp	Leu	Leu	Lys	Lys	Leu	Leu	Lys	Arg	Asn	Ala	Ala	Ser	Arg
				245					250					255
Leu	Gly	Ala	Gly	Pro	Gly	Asp	Ala	Gly	Glu	Val	Gln	Ala	His	Pro
				260					265					270
Phe	Phe	Arg	His	Ile	Asn	Trp	Glu	Glu	Leu	Leu	Ala	Arg	Lys	Val
				275					280					285
Glu	Pro	Pro	Phe	Lys	Pro	Leu	Leu	Gln	Ser	Glu	Glu	Asp	Val	Ser
				290					295					300
Gln	Phe	Asp	Ser	Lys	Phe	Thr	Arg	Gln	Thr	Pro	Val	Asp	Ser	Pro
				305					310					315
Asp	Asp	Ser	Thr	Leu	Ser	Glu	Ser	Ala	Asn	Gln	Val	Phe	Leu	Gly
				320					325					330
Phe	Thr	Tyr	Val	Ala	Pro	Ser	Val	Leu	Glu	Ser	Val	Lys	Glu	Lys
				335					340					345
Phe	Ser	Phe	Glu	Pro	Lys	Ile	Arg	Ser	Pro	Arg	Arg	Phe	Ile	Gly
				350					355					360
Ser	Pro	Arg	Thr	Pro	Val	Ser	Pro	Val	Lys	Phe	Ser	Pro	Gly	Asp
				365					370					375
Phe	Trp	Gly	Arg	Gly	Ala	Ser	Ala	Ser	Ala	Ala	Asn	Pro	Gln	Thr
				380					385					390
Pro	Val	Glu	Tyr	Pro	Met	Glu	Thr	Ser	Gly	Ile	Glu	Gln	Met	Asp
				395					400					405
Val	Thr	Met	Ser	Gly	Glu	Ala	Ser	Ala	Pro	Leu	Pro	Ile	Arg	Gln
				410					415					420
Pro	Asn	Ser	Gly	Pro	Tyr	Lys	Lys	Gln	Ala	Phe	Pro	Met	Ile	Ser
				425					430					435
Lys	Arg	Pro	Glu	His	Leu	Arg	Met	Asn	Leu					
				440					445					

&lt;210&gt; 11

&lt;211&gt; 1219

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7516613CD1

&lt;400&gt; 11

Met	Ala	Asn	Asp	Ser	Pro	Ala	Lys	Ser	Leu	Val	Asp	Ile	Asp	Leu
1				5					10					15
Ser	Ser	Leu	Arg	Asp	Pro	Ala	Gly	Ile	Phe	Glu	Leu	Val	Glu	Val
				20					25					30
Val	Gly	Asn	Gly	Thr	Tyr	Gly	Gln	Val	Tyr	Lys	Gly	Arg	His	Val
				35					40					45
Lys	Thr	Gly	Gln	Leu	Ala	Ala	Ile	Lys	Val	Met	Asp	Val	Thr	Glu
				50					55					60
Asp	Glu	Glu	Glu	Glu	Ile	Lys	Leu	Glu	Ile	Asn	Met	Leu	Lys	Lys
				65					70					75
Tyr	Ser	His	His	Arg	Asn	Ile	Ala	Thr	Tyr	Tyr	Gly	Ala	Phe	Ile
				80					85					90
Lys	Lys	Ser	Pro	Pro	Gly	His	Asp	Asp	Gln	Leu	Trp	Leu	Val	Met

	95		100		105
Glu Phe Cys Gly	Ala Gly Ser Ile Thr	Asp Leu Val Lys Asn Thr			
	110		115		120
Lys Gly Asn Thr	Leu Lys Glu Asp Trp	Ile Ala Tyr Ile Ser Arg			
	125		130		135
Glu Ile Leu Arg	Gly Leu Ala His Leu	His Ile His His Val Ile			
	140		145		150
His Arg Asp Ile	Lys Gly Gln Asn Val	Leu Leu Thr Glu Asn Ala			
	155		160		165
Glu Val Lys Leu	Val Asp Phe Gly Val	Ser Ala Gln Leu Asp Gly			
	170		175		180
Thr Val Gly Arg	Arg Asn Thr Phe Ile	Gly Thr Pro Tyr Trp Met			
	185		190		195
Ala Pro Glu Val	Ile Ala Cys Asp Glu	Asn Pro Asp Ala Thr Tyr			
	200		205		210
Asp Tyr Arg Ser	Asp Leu Trp Ser Cys	Gly Ile Thr Ala Ile Glu			
	215		220		225
Met Gly Glu Gly	Ala Pro Pro Leu Cys	Asp Met His Pro Met Arg			
	230		235		240
Ala Leu Phe Leu	Ile Pro Arg Asn Pro	Pro Pro Arg Leu Lys Ser			
	245		250		255
Lys Lys Trp Ser	Lys Lys Phe Phe Ser	Phe Ile Glu Gly Cys Leu			
	260		265		270
Val Lys Asn Tyr	Met Gln Arg Pro Ser	Thr Glu Gln Leu Leu Lys			
	275		280		285
His Pro Phe Ile	Arg Asp Gln Pro Asn	Glu Arg Gln Val Arg Ile			
	290		295		300
Gln Leu Lys Asp	His Ile Asp Arg Thr	Arg Lys Lys Arg Gly Glu			
	305		310		315
Lys Asp Glu Thr	Glu Tyr Glu Tyr Ser	Gly Ser Glu Glu Glu Glu			
	320		325		330
Glu Glu Val Pro	Glu Gln Glu Gly Glu	Pro Ser Ser Ile Val Asn			
	335		340		345
Val Pro Gly Glu	Ser Thr Leu Arg Arg	Asp Phe Leu Arg Leu Gln			
	350		355		360
Gln Glu Asn Lys	Glu Arg Ser Glu Ala	Leu Arg Arg Gln Gln Leu			
	365		370		375
Leu Gln Glu Gln	Gln Leu Arg Glu Gln	Glu Glu Tyr Lys Arg Gln			
	380		385		390
Leu Leu Ala Glu	Arg Gln Lys Arg Ile	Glu Gln Gln Lys Glu Gln			
	395		400		405
Arg Arg Arg Leu	Glu Glu Gln Gln Arg	Arg Glu Arg Glu Ala Arg			
	410		415		420
Arg Gln Gln Glu	Arg Glu Gln Arg Arg	Arg Glu Gln Glu Glu Lys			
	425		430		435
Arg Arg Leu Glu	Glu Leu Glu Arg Arg	Arg Lys Glu Glu Glu Glu			
	440		445		450
Arg Arg Gln Ala	Glu Glu Glu Lys Arg	Arg Val Glu Arg Glu Gln			
	455		460		465
Glu Tyr Ile Arg	Arg Gln Leu Glu Glu	Glu Gln Arg His Leu Glu			
	470		475		480
Val Leu Gln Gln	Gln Leu Leu Gln Glu	Gln Ala Met Leu Leu His			
	485		490		495
Asp His Arg Arg	Pro His Pro Gln His	Ser Gln Gln Pro Pro Pro			
	500		505		510
Pro Gln Gln Glu	Arg Ser Lys Pro Ser	Phe His Ala Pro Glu Pro			
	515		520		525
Lys Ala His Tyr	Glu Pro Ala Asp Arg	Ala Arg Glu Val Pro Val			
	530		535		540
Arg Thr Thr Ser	Arg Ser Pro Val Leu	Ser Arg Arg Asp Ser Pro			
	545		550		555
Leu Gln Gly Ser	Gly Gln Gln Asn Ser	Gln Ala Gly Gln Arg Asn			
	560		565		570
Ser Thr Ser Ser	Ile Glu Pro Arg Leu	Leu Trp Glu Arg Val Glu			

	575		580		585
Lys Leu Met Pro Arg	Pro Gly Ser Gly	Ser Ser Ser Gly Ser	Ser		
	590		595		600
Asn Ser Gly Ser Gln	Pro Gly Ser His	Pro Gly Ser Gln Ser	Gly		
	605		610		615
Ser Gly Glu Arg Phe	Arg Val Arg Ser	Ser Ser Lys Ser Glu	Gly		
	620		625		630
Ser Pro Ser Gln Arg	Leu Glu Asn Ala	Val Lys Lys Pro Glu	Asp		
	635		640		645
Lys Lys Glu Val Phe	Arg Pro Leu Lys	Pro Ala Asp Leu Thr	Ala		
	650		655		660
Leu Ala Lys Glu Leu	Arg Ala Val Glu	Asp Val Arg Pro Pro	His		
	665		670		675
Lys Val Thr Asp Tyr	Ser Ser Ser Ser	Glu Glu Pro Gly Thr	Thr		
	680		685		690
Asp Glu Glu Asp Asp	Asp Val Glu Gln	Glu Gly Ala Asp Glu	Ser		
	695		700		705
Thr Ser Gly Pro Glu	Asp Thr Arg Ala	Ala Ser Ser Leu Asn	Leu		
	710		715		720
Ser Asn Gly Glu Thr	Glu Ser Val Lys	Thr Met Ile Val His	Asp		
	725		730		735
Asp Val Glu Ser Glu	Pro Ala Met Thr	Pro Ser Lys Glu Gly	Thr		
	740		745		750
Leu Ile Val Arg Gln	Ser Thr Val Asp	Gln Lys Arg Ala Ser	His		
	755		760		765
His Glu Ser Asn Gly	Phe Ala Gly Arg	Ile His Leu Leu Pro	Asp		
	770		775		780
Leu Leu Gln Gln Ser	His Ser Ser Ser	Thr Ser Ser Thr Ser	Ser		
	785		790		795
Ser Pro Ser Ser Ser	Gln Pro Thr Pro	Thr Met Ser Pro Gln	Thr		
	800		805		810
Pro Gln Asp Lys Leu	Thr Ala Asn Glu	Thr Gln Ser Ala Ser	Ser		
	815		820		825
Thr Leu Gln Lys His	Lys Ser Ser Ser	Ser Phe Thr Pro Phe	Ile		
	830		835		840
Asp Pro Arg Leu Leu	Gln Ile Ser Pro	Ser Ser Gly Thr Thr	Val		
	845		850		855
Thr Ser Val Val Gly	Phe Ser Cys Asp	Gly Met Arg Pro Glu	Ala		
	860		865		870
Ile Arg Gln Asp Pro	Thr Arg Lys Gly	Ser Val Val Asn Val	Asn		
	875		880		885
Pro Thr Asn Thr Arg	Pro Gln Ser Asp	Thr Pro Glu Ile Arg	Lys		
	890		895		900
Tyr Lys Lys Arg Phe	Asn Ser Glu Ile	Leu Cys Ala Ala Leu	Trp		
	905		910		915
Gly Val Asn Leu Leu	Val Gly Thr Glu	Ser Gly Leu Met Leu	Leu		
	920		925		930
Asp Arg Ser Gly Gln	Gly Lys Val Tyr	Pro Leu Ile Asn Arg	Arg		
	935		940		945
Arg Phe Gln Gln Met	Asp Val Leu Glu	Gly Leu Asn Val Leu	Val		
	950		955		960
Thr Ile Ser Gly Lys	Lys Asp Lys Leu	Arg Val Tyr Tyr Leu	Ser		
	965		970		975
Trp Leu Arg Asn Lys	Ile Leu His Asn	Asp Pro Glu Val Glu	Lys		
	980		985		990
Lys Gln Gly Trp Thr	Thr Val Gly Asp	Leu Glu Gly Cys Val	His		
	995		1000		1005
Tyr Lys Val Val Lys	Tyr Glu Arg Ile	Lys Phe Leu Val Ile	Ala		
	1010		1015		1020
Leu Lys Ser Ser Val	Glu Val Tyr Ala	Trp Ala Pro Lys Pro	Tyr		
	1025		1030		1035
His Lys Phe Met Ala	Phe Lys Ser Phe	Gly Glu Leu Val His	Lys		
	1040		1045		1050
Pro Leu Leu Val Asp	Leu Thr Val Glu	Gly Gln Arg Leu Lys			

1055	1060	1065
Val Ile Tyr Gly Ser Cys Ala Gly Phe His Ala Val Asp Val Asp		
1070	1075	1080
Ser Gly Ser Val Tyr Asp Ile Tyr Leu Pro Thr His Ile Gln Cys		
1085	1090	1095
Ser Ile Lys Pro His Ala Ile Ile Ile Leu Pro Asn Thr Asp Gly		
1100	1105	1110
Met Glu Leu Leu Val Cys Tyr Glu Asp Glu Gly Val Tyr Val Asn		
1115	1120	1125
Thr Tyr Gly Arg Ile Thr Lys Asp Val Val Leu Gln Trp Gly Glu		
1130	1135	1140
Met Pro Thr Ser Val Ala Tyr Ile Arg Ser Asn Gln Thr Met Gly		
1145	1150	1155
Trp Gly Glu Lys Ala Ile Glu Ile Arg Ser Val Glu Thr Gly His		
1160	1165	1170
Leu Asp Gly Val Phe Met His Lys Arg Ala Gln Arg Leu Lys Phe		
1175	1180	1185
Leu Cys Glu Arg Asn Asp Lys Val Phe Phe Ala Ser Val Arg Ser		
1190	1195	1200
Gly Gly Ser Ser Gln Val Tyr Phe Met Thr Leu Gly Arg Thr Ser		
1205	1210	1215
Leu Leu Ser Trp		

<210> 12  
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 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7517068CD1

<400> 12

Met Ala Ser Asp Ser	Pro Ala Arg Ser	Leu Asp Glu Ile Asp	Leu
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Ser Ala Leu Arg Asp	Pro Ala Gly Ile Phe	Glu Leu Val Glu	Leu
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Val Gly Asn Gly Thr	Tyr Gly Gln Val Tyr	Lys Gly Arg His	Val
35	40		45
Lys Thr Gly Gln Leu	Ala Ala Ile Lys Val	Met Asp Val Thr	Gly
50	55		60
Asp Glu Glu Glu Glu	Ile Lys Gln Glu Ile	Asn Met Leu Lys	Lys
65	70		75
Tyr Ser His His Arg	Asn Ile Ala Thr Tyr	Gly Ala Phe Ile	
80	85		90
Lys Lys Asn Pro Pro	Gly Met Asp Asp Gln	Leu Trp Leu Val	Met
95	100		105
Glu Phe Cys Gly Ala	Gly Ser Val Thr Asp	Leu Ile Lys Asn	Thr
110	115		120
Lys Gly Asn Thr Leu	Lys Glu Glu Trp Ile	Ala Tyr Ile Cys	Arg
125	130		135
Glu Ile Leu Arg Gly	Leu Ser His Leu His	Gln His Lys Val	Ile
140	145		150
His Arg Asp Ile Lys	Gly Gln Asn Val Leu	Leu Thr Glu Asn	Ala
155	160		165
Glu Val Lys Leu Val	Asp Phe Gly Val Ser	Ala Gln Leu Asp	Arg
170	175		180
Thr Val Gly Arg Arg	Asn Thr Phe Ile Gly	Thr Pro Tyr Trp	Met
185	190		195
Ala Pro Glu Val Ile	Ala Cys Asp Glu Asn	Pro Asp Ala Thr	Tyr
200	205		210
Asp Phe Lys Ser Asp	Leu Trp Ser Leu Gly	Ile Thr Ala Ile	Glu
215	220		225

Met	Ala	Glu	Gly	Ala	Pro	Pro	Leu	Cys	Asp	Met	His	Pro	Met	Arg
				230					235					240
Ala	Leu	Phe	Leu	Ile	Pro	Arg	Asn	Pro	Ala	Pro	Arg	Leu	Lys	Ser
				245					250					255
Lys	Lys	Trp	Ser	Lys	Lys	Phe	Gln	Ser	Phe	Ile	Glu	Ser	Cys	Leu
				260					265					270
Val	Lys	Asn	His	Ser	Gln	Arg	Pro	Ala	Thr	Glu	Gln	Leu	Met	Lys
				275					280					285
His	Pro	Phe	Ile	Arg	Asp	Gln	Pro	Asn	Glu	Arg	Gln	Val	Arg	Ile
				290					295					300
Gln	Leu	Lys	Asp	His	Ile	Asp	Arg	Thr	Lys	Lys	Lys	Arg	Gly	Glu
				305					310					315
Lys	Asp	Glu	Thr	Glu	Tyr	Glu	Tyr	Ser	Gly	Ser	Glu	Glu	Glu	Glu
				320					325					330
Glu	Glu	Asn	Asp	Ser	Gly	Glu	Pro	Ser	Ser	Ile	Leu	Asn	Leu	Pro
				335					340					345
Gly	Glu	Ser	Thr	Leu	Arg	Arg	Asp	Phe	Leu	Arg	Leu	Gln	Leu	Ala
				350					355					360
Asn	Lys	Glu	Arg	Ser	Glu	Ala	Leu	Arg	Arg	Gln	Gln	Leu	Glu	Gln
				365					370					375
Gln	Gln	Arg	Glu	Asn	Glu	Glu	His	Lys	Arg	Gln	Leu	Leu	Ala	Glu
				380					385					390
Arg	Gln	Lys	Arg	Ile	Glu	Glu	Gln	Lys	Glu	Gln	Arg	Arg	Arg	Leu
				395					400					405
Glu	Glu	Ile	Pro	His	Leu	Val	Ala	Val	Lys	Ser	Gln	Gly	Pro	Ala
				410					415					420
Leu	Thr	Ala	Ser	Gln	Ser	Val	His	Glu	Gln	Pro	Thr	Lys	Gly	Leu
				425					430					435
Ser	Gly	Phe	Gln	Glu	Ala	Leu	Asn	Val	Thr	Ser	His	Arg	Val	Glu
				440					445					450
Met	Pro	Arg	Gln	Asn	Ser	Asp	Pro	Thr	Ser	Glu	Asn	Pro	Pro	Leu
				455					460					465
Pro	Thr	Arg	Ile	Glu	Lys	Phe	Asp	Arg	Ser	Ser	Trp	Leu	Arg	Gln
				470					475					480
Glu	Glu	Asp	Ile	Pro	Pro	Lys	Val	Pro	Gln	Arg	Thr	Thr	Ser	Ile
				485					490					495
Ser	Pro	Ala	Leu	Ala	Arg	Lys	Asn	Ser	Pro	Gly	Asn	Gly	Ser	Ala
				500					505					510
Leu	Gly	Pro	Arg	Leu	Gly	Ser	Gln	Pro	Ile	Arg	Ala	Ser	Asn	Pro
				515					520					525
Asp	Leu	Arg	Arg	Thr	Glu	Pro	Ile	Leu	Glu	Ser	Pro	Leu	Gln	Arg
				530					535					540
Thr	Ser	Ser	Gly	Ser	Ser	Ser	Ser	Ser	Ser	Thr	Pro	Ser	Ser	Gln
				545					550					555
Pro	Ser	Ser	Gln	Gly	Gly	Ser	Gln	Pro	Gly	Ser	Gln	Ala	Gly	Ser
				560					565					570
Ser	Gly	Arg	Thr	Arg	Val	Arg	Ala	Asn	Ser	Lys	Ser	Glu	Gly	Ser
				575					580					585
Pro	Val	Leu	Pro	His	Glu	Pro	Ala	Lys	Val	Lys	Pro	Glu	Glu	Ser
				590					595					600
Arg	Asp	Ile	Thr	Arg	Pro	Ser	Arg	Pro	Ala	Asp	Leu	Thr	Ala	Leu
				605					610					615
Ala	Lys	Glu	Leu	Arg	Glu	Leu	Arg	Ile	Glu	Glu	Thr	Asn	Arg	Pro
				620					625					630
Met	Lys	Lys	Val	Thr	Asp	Tyr	Ser	Ser	Ser	Ser	Glu	Glu	Ser	Glu
				635					640					645
Ser	Ser	Glu	Glu	Glu	Glu	Glu	Asp	Gly	Gly	Ser	Glu	Thr	His	Asp
				650					655					660
Gly	Thr	Val	Ala	Val	Ser	Asp	Ile	Pro	Arg	Leu	Ile	Pro	Thr	Gly
				665					670					675
Ala	Pro	Gly	Ser	Asn	Glu	Gln	Tyr	Asn	Val	Gly	Met	Val	Gly	Thr
				680					685					690
His	Gly	Leu	Glu	Thr	Ser	His	Ala	Asp	Ser	Phe	Ser	Gly	Ser	Ile
				695					700					705

Ser	Arg	Glu	Gly	Thr	Leu	Met	Ile	Arg	Glu	Thr	Ser	Gly	Glu	Lys
				710					715					720
Lys	Arg	Ser	Gly	His	Ser	Asp	Ser	Asn	Gly	Phe	Ala	Gly	His	Ile
				725					730					735
Asn	Leu	Pro	Asp	Leu	Val	Gln	Gln	Ser	His	Ser	Pro	Ala	Gly	Thr
				740					745					750
Pro	Thr	Glu	Gly	Leu	Gly	Arg	Val	Ser	Thr	His	Ser	Gln	Glu	Met
				755					760					765
Asp	Ser	Gly	Thr	Glu	Tyr	Gly	Met	Gly	Ser	Ser	Thr	Lys	Ala	Ser
				770					775					780
Phe	Thr	Pro	Phe	Val	Asp	Pro	Arg	Val	Tyr	Gln	Thr	Ser	Pro	Thr
				785					790					795
Asp	Glu	Asp	Glu	Glu	Asp	Glu	Glu	Ser	Ser	Ala	Ala	Ala	Leu	Phe
				800					805					810
Thr	Ser	Glu	Leu	Leu	Arg	Gln	Glu	Gln	Ala	Lys	Leu	Asn	Glu	Ala
				815					820					825
Arg	Lys	Ile	Ser	Val	Val	Asn	Val	Asn	Pro	Thr	Asn	Ile	Arg	Pro
				830					835					840
His	Ser	Asp	Thr	Pro	Glu	Ile	Arg	Gln	Tyr	Lys	Lys	Arg	Phe	Asn
				845					850					855
Ser	Glu	Ile	Leu	Cys	Ala	Ala	Leu	Trp	Gly	Val	Asn	Leu	Leu	Val
				860					865					870
Gly	Thr	Glu	Asn	Gly	Leu	Met	Leu	Leu	Asp	Arg	Ser	Gly	Gln	Gly
				875					880					885
Lys	Val	Tyr	Asn	Leu	Ile	Asn	Arg	Arg	Arg	Phe	Gln	Gln	Met	Asp
				890					895					900
Val	Leu	Glu	Gly	Leu	Asn	Val	Leu	Val	Thr	Ile	Ser	Gly	Lys	Lys
				905					910					915
Asn	Lys	Leu	Arg	Val	Tyr	Tyr	Leu	Ser	Trp	Leu	Arg	Asn	Arg	Ile
				920					925					930
Leu	His	Asn	Asp	Pro	Glu	Val	Glu	Lys	Lys	Gln	Gly	Trp	Ile	Thr
				935					940					945
Val	Gly	Asp	Leu	Glu	Gly	Cys	Ile	His	Tyr	Lys	Val	Val	Lys	Tyr
				950					955					960
Glu	Arg	Ile	Lys	Phe	Leu	Val	Ile	Ala	Leu	Lys	Asn	Ala	Val	Glu
				965					970					975
Ile	Tyr	Ala	Trp	Ala	Pro	Lys	Pro	Tyr	His	Lys	Phe	Met	Ala	Phe
				980					985					990
Lys	Ser	Phe	Ala	Asp	Leu	Gln	His	Lys	Pro	Leu	Leu	Val	Asp	Leu
				995					1000					1005
Thr	Val	Glu	Glu	Gly	Gln	Arg	Leu	Lys	Val	Ile	Phe	Gly	Ser	His
				1010					1015					1020
Thr	Gly	Phe	His	Val	Ile	Asp	Val	Asp	Ser	Gly	Asn	Ser	Tyr	Asp
				1025					1030					1035
Ile	Tyr	Ile	Pro	Ser	His	Ile	Gln	Gly	Asn	Ile	Thr	Pro	His	Ala
				1040					1045					1050
Ile	Val	Ile	Leu	Pro	Lys	Thr	Asp	Gly	Met	Glu	Met	Leu	Val	Cys
				1055					1060					1065
Tyr	Glu	Asp	Glu	Gly	Val	Tyr	Val	Asp	Thr	Tyr	Gly	Arg	Ile	Thr
				1070					1075					1080
Lys	Asp	Val	Val	Leu	Gln	Trp	Gly	Glu	Met	Pro	Thr	Ser	Val	Ala
				1085					1090					1095
Tyr	Ile	His	Ser	Asp	Gln	Ile	Met	Gly	Trp	Gly	Glu	Lys	Ala	Ile
				1100					1105					1110
Glu	Ile	Arg	Ser	Val	Glu	Thr	Gly	His	Leu	Asp	Gly	Val	Phe	Met
				1115					1120					1125
His	Lys	Arg	Ala	Gln	Arg	Leu	Lys	Phe	Leu	Cys	Glu	Arg	Asn	Asp
				1130					1135					1140
Lys	Val	Phe	Phe	Ala	Ser	Val	Arg	Ser	Gly	Gly	Ser	Ser	Gln	Val
				1145					1150					1155
Phe	Phe	Met	Thr	Leu	Asn	Arg	Asn	Ser	Met	Met	Asn	Trp		
				1160					1165					

&lt;210&gt; 13

&lt;211&gt; 650

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7517148CD1

&lt;400&gt; 13

Met	Ala	Asp	Leu	Glu	Ala	Val	Leu	Ala	Asp	Val	Ser	Tyr	Leu	Met
1				5					10					15
Ala	Met	Glu	Lys	Ser	Lys	Ala	Thr	Pro	Ala	Ala	Arg	Ala	Ser	Lys
				20					25					30
Arg	Ile	Val	Leu	Pro	Glu	Pro	Ser	Ile	Arg	Ser	Val	Met	Gln	Lys
				35					40					45
Tyr	Leu	Ala	Glu	Arg	Asn	Glu	Ile	Thr	Leu	Asp	Lys	Ile	Phe	Asn
				50					55					60
Gln	Lys	Ile	Gly	Phe	Leu	Leu	Phe	Lys	Asp	Phe	Cys	Leu	Asn	Glu
				65					70					75
Ile	Asn	Glu	Ala	Val	Pro	Gln	Val	Lys	Phe	Tyr	Glu	Glu	Ile	Lys
				80					85					90
Glu	Tyr	Glu	Lys	Leu	Asp	Asn	Glu	Glu	Asp	Arg	Leu	Cys	Arg	Ser
				95					100					105
Arg	Gln	Ile	Tyr	Asp	Ala	Tyr	Ile	Met	Lys	Glu	Leu	Leu	Ser	Cys
				110					115					120
Ser	His	Pro	Phe	Ser	Lys	Gln	Ala	Val	Glu	His	Val	Gln	Ser	His
				125					130					135
Leu	Ser	Lys	Lys	Gln	Val	Thr	Ser	Thr	Leu	Phe	Gln	Pro	Tyr	Ile
				140					145					150
Glu	Glu	Ile	Cys	Glu	Ser	Leu	Arg	Gly	Asp	Ile	Phe	Gln	Lys	Phe
				155					160					165
Met	Glu	Ser	Asp	Lys	Phe	Thr	Arg	Phe	Cys	Gln	Trp	Lys	Asn	Val
				170					175					180
Glu	Leu	Asn	Ile	His	Leu	Thr	Met	Asn	Glu	Phe	Ser	Val	His	Arg
				185					190					195
Ile	Ile	Gly	Arg	Gly	Gly	Phe	Gly	Glu	Val	Tyr	Gly	Cys	Arg	Lys
				200					205					210
Ala	Asp	Thr	Gly	Lys	Met	Tyr	Ala	Met	Lys	Cys	Leu	Asp	Lys	Lys
				215					220					225
Arg	Ile	Lys	Met	Lys	Gln	Gly	Glu	Thr	Leu	Ala	Leu	Asn	Glu	Arg
				230					235					240
Ile	Met	Leu	Ser	Leu	Val	Ser	Thr	Gly	Asp	Cys	Pro	Phe	Ile	Val
				245					250					255
Cys	Met	Thr	Tyr	Ala	Phe	His	Thr	Pro	Asp	Lys	Leu	Cys	Phe	Ile
				260					265					270
Leu	Asp	Leu	Met	Asn	Gly	Gly	Asp	Leu	His	Tyr	His	Leu	Ser	Gln
				275					280					285
His	Gly	Val	Phe	Ser	Glu	Lys	Glu	Met	Arg	Phe	Tyr	Ala	Thr	Glu
				290					295					300
Ile	Ile	Leu	Gly	Leu	Glu	His	Met	His	Asn	Arg	Phe	Val	Val	Tyr
				305					310					315
Arg	Asp	Leu	Lys	Pro	Ala	Asn	Ile	Leu	Leu	Asp	Glu	His	Gly	His
				320					325					330
Ala	Arg	Ile	Ser	Asp	Leu	Gly	Leu	Ala	Cys	Asp	Phe	Ser	Lys	Lys
				335					340					345
Lys	Pro	His	Ala	Ser	Val	Gly	Thr	His	Gly	Tyr	Met	Ala	Pro	Glu
				350					355					360
Val	Leu	Gln	Lys	Gly	Thr	Ala	Tyr	Asp	Ser	Ser	Ala	Asp	Trp	Phe
				365					370					375
Ser	Leu	Gly	Cys	Met	Leu	Phe	Lys	Leu	Leu	Arg	Gly	His	Ser	Pro
				380					385					390
Phe	Arg	Gln	His	Lys	Thr	Lys	Asp	Lys	His	Glu	Ile	Asp	Arg	Met
				395					400					405
Thr	Leu	Thr	Val	Asn	Val	Glu	Leu	Pro	Asp	Thr	Phe	Ser	Pro	Glu

Leu Lys Ser Leu	410	Leu Glu Gly Leu Leu	415	Arg Asp Val Ser	420
	425		430		435
Arg Leu Gly Cys	440	His Gly Gly Gly Ser	445	Gln Glu Val Lys Glu	450
Ser Phe Phe Lys	455	Gly Val Asp Trp Gln	460	His Val Tyr Leu Gln	465
Tyr Pro Pro Pro	470	Leu Ile Pro Pro Arg	475	Gly Glu Val Asn Ala	480
Asp Ala Phe Asp	485	Ile Gly Ser Phe Asp	490	Glu Glu Asp Thr Lys	495
Ile Lys Leu Leu	500	Asp Cys Asp Gln Glu	505	Leu Tyr Lys Asn Phe	510
Leu Val Ile Ser	515	Glu Arg Trp Gln Gln	520	Val Thr Glu Thr	525
Tyr Glu Ala Val	530	Asn Ala Asp Thr Asp	535	Lys Ile Glu Ala Arg	540
Arg Ala Lys Asn	545	Lys Gln Leu Gly His	550	Glu Glu Asp Tyr Ala	555
Gly Lys Asp Cys	560	Ile Met His Gly Tyr	565	Met Leu Lys Leu Gly	570
Pro Phe Leu Thr	575	Gln Trp Gln Arg Arg	580	Tyr Phe Tyr Leu Phe	585
Asn Arg Leu Glu	590	Trp Arg Gly Glu Gly	595	Glu Ser Arg Ser Asp	600
Glu Phe Val Gln	605	Trp Lys Lys Glu Leu	610	Asn Glu Thr Phe Lys	615
Ala Arg Arg Leu	620	Leu Arg Arg Ala Pro	625	Lys Phe Leu Asn Lys	630
Arg Ser Gly Thr	635	Val Glu Leu Pro Lys	640	Pro Ser Leu Cys His	645
Asn Ser Asn Gly	650	Leu			

&lt;210&gt; 14

&lt;211&gt; 603

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7517238CD1

&lt;400&gt; 14

Met Lys Asp Tyr Asp	1	Glu Leu Leu Lys Tyr	10	Tyr Glu Leu His Glu	15
Thr Ile Gly Thr Gly	20	Gly Phe Ala Lys Val	25	Lys Leu Ala Cys His	30
Ile Leu Thr Gly Glu	35	Met Val Ala Ile Lys	40	Ile Met Asp Lys Asn	45
Thr Leu Gly Ser Asp	50	Leu Pro Arg Ile Lys	55	Thr Glu Ile Glu Ala	60
Leu Lys Asn Leu Arg	65	His Gln His Ile Cys	70	Gln Leu Tyr His Val	75
Leu Glu Thr Ala Asn	80	Lys Ile Phe Met Val	85	Leu Glu Glu Asn Leu	90
Leu Phe Asp Glu Tyr	95	His Lys Leu Lys Leu	100	Ile Asp Phe Gly Leu	105
Cys Ala Lys Pro Lys	110	Gly Asn Lys Asp Tyr	115	His Leu Gln Thr Cys	120
Cys Gly Ser Leu Ala	125	Tyr Ala Ala Pro Glu	130	Leu Ile Gln Gly Lys	135
Ser Tyr Leu Gly Ser	140	Glu Ala Asp Val Trp	145	Ser Met Gly Ile Leu	150

Leu Tyr Val Leu	Met Cys Gly Phe Leu	Pro Phe Asp Asp Asp	Asn
155	160		165
Val Met Ala Leu	Tyr Lys Lys Ile Met	Arg Gly Lys Tyr Asp	Val
170	175		180
Pro Lys Trp Leu	Ser Pro Ser Ser Ile	Leu Leu Leu Gln Gln	Met
185	190		195
Leu Gln Val Asp	Pro Lys Lys Arg Ile	Ser Met Lys Asn Leu	Leu
200	205		210
Asn His Pro Trp	Ile Met Gln Asp Tyr	Asn Tyr Pro Val Glu	Trp
215	220		225
Gln Ser Lys Asn	Pro Phe Ile His Leu	Asp Asp Asp Cys Val	Thr
230	235		240
Glu Leu Ser Val	His His Arg Asn Asn	Arg Gln Thr Met Glu	Asp
245	250		255
Leu Ile Ser Leu	Trp Gln Tyr Asp His	Leu Thr Ala Thr Tyr	Leu
260	265		270
Leu Leu Leu Ala	Lys Lys Ala Arg Gly	Lys Pro Val Arg Leu	Arg
275	280		285
Leu Ser Ser Phe	Ser Cys Gly Gln Ala	Ser Ala Thr Pro Phe	Thr
290	295		300
Asp Ile Lys Ser	Asn Asn Trp Ser Leu	Glu Asp Val Thr Ala	Ser
305	310		315
Asp Lys Asn Tyr	Val Ala Gly Leu Ile	Asp Tyr Asp Trp Cys	Glu
320	325		330
Asp Asp Leu Ser	Thr Gly Ala Ala Thr	Pro Arg Thr Ser Gln	Phe
335	340		345
Thr Lys Tyr Trp	Thr Glu Ser Asn Gly	Ala Glu Ser Lys Ser	Leu
350	355		360
Thr Pro Ala Leu	Cys Arg Thr Pro Ala	Asn Lys Leu Lys Asn	Lys
365	370		375
Glu Asn Val Tyr	Thr Pro Lys Ser Ala	Val Lys Asn Glu Glu	Tyr
380	385		390
Phe Met Phe Pro	Glu Pro Lys Thr Pro	Val Asn Lys Asn Gln	His
395	400		405
Lys Arg Glu Ile	Leu Thr Thr Pro Asn	Arg Tyr Thr Thr Pro	Ser
410	415		420
Lys Ala Arg Asn	Gln Cys Leu Lys Glu	Thr Pro Ile Lys Ile	Pro
425	430		435
Val Asn Ser Thr	Gly Thr Asp Lys Leu	Met Thr Gly Val Ile	Ser
440	445		450
Pro Glu Arg Arg	Cys Arg Ser Val Glu	Leu Asp Leu Asn Gln	Ala
455	460		465
His Met Glu Glu	Thr Pro Lys Arg Lys	Gly Ala Lys Val Phe	Gly
470	475		480
Ser Leu Glu Arg	Gly Leu Asp Lys Val	Ile Thr Val Leu Thr	Arg
485	490		495
Ser Lys Arg Lys	Gly Ser Ala Arg Asp	Gly Pro Arg Arg Leu	Lys
500	505		510
Leu His Tyr Asn	Val Thr Thr Thr Arg	Leu Val Asn Pro Asp	Gln
515	520		525
Leu Leu Asn Glu	Ile Met Ser Ile Leu	Pro Lys Lys His Val	Asp
530	535		540
Phe Val Gln Lys	Gly Tyr Thr Leu Lys	Cys Gln Thr Gln Ser	Asp
545	550		555
Phe Gly Lys Val	Thr Met Gln Phe Glu	Leu Glu Val Cys Gln	Leu
560	565		570
Gln Lys Pro Asp	Val Val Gly Ile Arg	Arg Gln Arg Leu Lys	Gly
575	580		585
Asp Ala Trp Val	Tyr Lys Arg Leu Val	Glu Asp Ile Leu Ser	Ser
590	595		600
Cys Lys Val			

&lt;210&gt; 15

&lt;211&gt; 750

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7518685CD1

&lt;400&gt; 15

Met	Asp	Gln	Arg	Glu	Ile	Leu	Gln	Lys	Phe	Leu	Asp	Glu	Ala	Gln
1				5					10					15
Ser	Lys	Lys	Ile	Thr	Lys	Glu	Glu	Phe	Ala	Asn	Glu	Phe	Leu	Lys
				20					25					30
Leu	Lys	Arg	Gln	Ser	Thr	Lys	Tyr	Lys	Ala	Asp	Lys	Thr	Tyr	Pro
				35					40					45
Thr	Thr	Val	Ala	Glu	Lys	Pro	Lys	Asn	Ile	Lys	Lys	Asn	Arg	Tyr
				50					55					60
Lys	Asp	Ile	Leu	Pro	Tyr	Asp	Tyr	Ser	Arg	Val	Glu	Leu	Ser	Leu
				65					70					75
Ile	Thr	Ser	Asp	Glu	Asp	Ser	Ser	Tyr	Ile	Asn	Ala	Asn	Phe	Ile
				80					85					90
Lys	Gly	Val	Tyr	Gly	Pro	Lys	Ala	Tyr	Ile	Ala	Thr	Gln	Gly	Pro
				95					100					105
Leu	Ser	Thr	Thr	Leu	Leu	Asp	Phe	Trp	Arg	Met	Ile	Trp	Glu	Tyr
				110					115					120
Ser	Val	Leu	Glu	Thr	Arg	Thr	Ile	Tyr	Gln	Phe	His	Tyr	Glu	Asn
				125					130					135
Trp	Pro	Asp	His	Asp	Val	Pro	Ser	Ser	Ile	Asp	Pro	Ile	Leu	Glu
				140					145					150
Leu	Ile	Trp	Asp	Val	Arg	Cys	Tyr	Gln	Glu	Asp	Asp	Ser	Val	Pro
				155					160					165
Ile	Cys	Ile	His	Cys	Ser	Ala	Gly	Cys	Gly	Arg	Thr	Gly	Val	Ile
				170					175					180
Cys	Ala	Ile	Asp	Tyr	Thr	Trp	Met	Leu	Leu	Lys	Asp	Gly	Ile	Ile
				185					190					195
Pro	Glu	Asn	Phe	Ser	Val	Phe	Ser	Leu	Ile	Arg	Glu	Met	Arg	Thr
				200					205					210
Gln	Arg	Pro	Ser	Leu	Val	Gln	Thr	Gln	Glu	Gln	Tyr	Glu	Leu	Val
				215					220					225
Tyr	Asn	Ala	Val	Leu	Glu	Leu	Phe	Lys	Arg	Gln	Met	Asp	Val	Ile
				230					235					240
Arg	Asp	Lys	His	Ser	Gly	Thr	Glu	Ser	Gln	Ala	Lys	His	Cys	Ile
				245					250					255
Pro	Glu	Lys	Asn	His	Thr	Leu	Gln	Ala	Asp	Ser	Tyr	Ser	Pro	Asn
				260					265					270
Leu	Pro	Lys	Ser	Thr	Thr	Lys	Ala	Ala	Lys	Met	Met	Asn	Gln	Gln
				275					280					285
Arg	Thr	Lys	Met	Glu	Ile	Lys	Glu	Ser	Ser	Ser	Phe	Asp	Phe	Arg
				290					295					300
Thr	Ser	Glu	Ile	Ser	Ala	Lys	Glu	Glu	Leu	Val	Leu	His	Pro	Ala
				305					310					315
Lys	Ser	Ser	Thr	Ser	Phe	Asp	Phe	Leu	Glu	Leu	Asn	Tyr	Ser	Phe
				320					325					330
Asp	Lys	Asn	Ala	Asp	Thr	Thr	Met	Lys	Trp	Gln	Thr	Lys	Ala	Phe
				335					340					345
Pro	Ile	Val	Gly	Glu	Pro	Leu	Gln	Lys	His	Gln	Ser	Leu	Asp	Leu
				350					355					360
Gly	Ser	Leu	Leu	Phe	Glu	Gly	Cys	Ser	Asn	Ser	Lys	Pro	Val	Asn
				365					370					375
Ala	Ala	Gly	Arg	Tyr	Phe	Asn	Ser	Lys	Val	Pro	Ile	Thr	Arg	Thr
				380					385					390
Lys	Ser	Thr	Pro	Phe	Glu	Leu	Ile	Gln	Gln	Arg	Glu	Thr	Lys	Glu
				395					400					405
Val	Asp	Ser	Lys	Glu	Asn	Phe	Ser	Tyr	Leu	Glu	Ser	Gln	Pro	His

Asp Ser Cys Phe	Val	Glu Met Gln Ala	Gln Lys Val Met His	Val
Ser Ser Ala Glu	Leu	Asn Tyr Ser Leu	Pro Tyr Asp Ser Lys	His
Gln Ile Arg Asn	Ala	Ser Asn Val Lys	His His Asp Ser Ser	Ala
Leu Gly Val Tyr	Ser	Tyr Ile Pro Leu	Val Glu Asn Pro Tyr	Phe
Ser Ser Trp Pro	Pro	Ser Gly Thr Ser	Ser Lys Met Ser Leu	Asp
Leu Pro Glu Lys	Arg	Asp Gly Thr Val	Phe Pro Ser Ser Leu	Leu
Pro Thr Ser Ser	Thr	Ser Leu Phe Ser	Tyr Tyr Asn Ser His	Asp
Ser Leu Ser Leu	Asn	Ser Pro Thr Asn	Ile Ser Ser Leu Leu	Asn
Gln Glu Ser Ala	Val	Leu Ala Thr Ala	Pro Arg Ile Asp Asp	Glu
Ile Pro Pro Pro	Leu	Pro Val Arg Thr	Pro Glu Ser Phe Ile	Val
Val Glu Glu Ala	Gly	Glu Phe Ser Pro	Asn Val Pro Asn Pro	Leu
Ser Ser Ala Val	Lys	Val Lys Ile Gly	Thr Ser Leu Glu Trp	Gly
Gly Thr Ser Glu	Pro	Lys Lys Phe Asp	Asp Ser Val Ile Leu	Arg
Pro Ser Lys Ser	Val	Lys Leu Arg Ser	Pro Lys Ser Glu Leu	His
Gln Asp Arg Ser	Ser	Pro Pro Pro Pro	Leu Pro Glu Arg Thr	Leu
Glu Ser Phe Phe	Leu	Ala Asp Glu Asp	Cys Met Gln Ala Gln	Ser
Ile Glu Thr Tyr	Ser	Thr Ser Tyr Pro	Asp Thr Met Glu Asn	Ser
Thr Ser Ser Lys	Gln	Thr Leu Lys Thr	Pro Gly Lys Ser Phe	Thr
Arg Ser Lys Ser	Leu	Lys Ile Leu Arg	Asn Met Lys Lys Ser	Ile
Cys Asn Ser Cys	Pro	Pro Asn Lys Pro	Ala Glu Ser Val Gln	Ser
Asn Asn Ser Ser	Ser	Phe Leu Asn Phe	Gly Phe Ala Asn Arg	Phe
Ser Lys Pro Glu	Gly	Pro Arg Asn Pro	Pro Pro Thr Trp Asn	Ile

&lt;210&gt; 16

&lt;211&gt; 206

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520192CD1

&lt;400&gt; 16

Met Thr Ser Arg	Phe	Arg Leu Pro Ala	Gly Arg Thr Tyr Asn	Val
Arg Ala Ser Glu	Leu	Ala Arg Asp Arg	Gln His Thr Glu Val	Val
Cys Asn Ile Leu	Leu	Leu Asp Asn Thr	Val Gln Ala Phe Lys	Val
Asn Lys His Asp	Gln	Gly Gln Val Leu	Leu Asp Val Val Phe	Lys

	50		55		60
His Leu Asp Leu Thr	Glu Gln Asp Tyr Phe	Gly Leu Gln Leu Ala			
	65		70		75
Asp Asp Ser Thr Asp	Asn Pro Arg Trp Leu	Asp Pro Asn Lys Pro			
	80		85		90
Ile Arg Lys Gln Leu	Lys Arg Gly Ser Pro	Tyr Ser Leu Asn Phe			
	95		100		105
Arg Val Lys Phe Phe	Val Ser Asp Pro Asn	Lys Leu Gln Glu Glu			
	110		115		120
Tyr Thr Arg Gly Leu	Ser Pro Ala Glu Ala	Glu Phe Asn Tyr Leu			
	125		130		135
Asn Thr Ala Arg Thr	Leu Glu Leu Tyr Gly	Val Glu Phe His Tyr			
	140		145		150
Ala Arg Asp Gln Ser	Asn Asn Glu Ile Met	Ile Gly Val Met Ser			
	155		160		165
Gly Gly Ile Leu Ile	Tyr Lys Asn Arg Val	Arg Met Asn Thr Phe			
	170		175		180
Pro Trp Leu Lys Ile	Val Lys Ile Ser Phe	Lys Cys Lys Gln Phe			
	185		190		195
Phe Ile Gln Leu Arg	Lys Glu Leu Ile Pro	Lys			
	200		205		

&lt;210&gt; 17

&lt;211&gt; 733

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520428CD1

&lt;400&gt; 17

Met Met Lys Arg Arg	Arg Glu Arg Leu Gly	Ala Pro Cys Leu Arg		
1	5	10		15
Ile Gln Ile Ser Thr	Leu Cys Arg Gly Ala	Glu Val Asn Gln His		
	20	25		30
Met Phe Ser Pro Thr	Ser Ala Pro Ala Leu	Phe Leu Thr Lys Val		
	35	40		45
Pro Phe Ser Ala Asp	Cys Ala Leu Ala Thr	Ser Pro Leu Ala Ile		
	50	55		60
Phe Leu Asn Leu Arg	Ala His Ser Ser Pro	Gly Thr Pro Cys Ser		
	65	70		75
Ser Arg Pro Leu Pro	Trp Ser Cys Arg Thr	Ser Asn Arg Lys Ser		
	80	85		90
Leu Ile Val Thr Ser	Ser Thr Ser Pro Thr	Leu Pro Arg Pro His		
	95	100		105
Ser Pro Leu His Gly	His Thr Gly Asn Ser	Pro Leu Asp Ser Pro		
	110	115		120
Arg Asn Phe Ser Pro	Asn Ala Pro Ala His	Phe Ser Phe Val Pro		
	125	130		135
Ala Arg Arg Thr Asp	Gly Arg Arg Trp Ser	Leu Ala Ser Leu Pro		
	140	145		150
Ser Ser Gly Tyr Gly	Thr Asn Thr Pro Ser	Ser Ser Thr Val Ser		
	155	160		165
Ser Cys Ser Ser Gln	Glu Lys Leu His Gln	Leu Pro Phe Gln Pro		
	170	175		180
Thr Ala Asp Glu Leu	His Phe Leu Thr Lys	His Phe Ser Thr Glu		
	185	190		195
Ser Val Pro Asp Glu	Glu Gly Arg Gln Ser	Pro Ala Met Arg Pro		
	200	205		210
Arg Ser Arg Ser Leu	Ser Pro Gly Arg Ser	Pro Val Ser Phe Asp		
	215	220		225
Ser Glu Ile Ile Met	Met Asn His Val Tyr	Lys Glu Arg Phe Pro		
	230	235		240

Lys	Ala	Thr	Ala	Gln	Met	Glu	Glu	Arg	Leu	Ala	Glu	Phe	Ile	Ser
				245					250					255
Ser	Asn	Thr	Pro	Asp	Ser	Val	Leu	Pro	Leu	Ala	Asp	Gly	Ala	Leu
				260					265					270
Ser	Phe	Ile	His	His	Gln	Val	Ile	Glu	Met	Ala	Arg	Asp	Cys	Leu
				275					280					285
Asp	Lys	Ser	Arg	Ser	Gly	Leu	Ile	Thr	Ser	Gln	Tyr	Phe	Tyr	Glu
				290					295					300
Leu	Gln	Glu	Asn	Leu	Glu	Lys	Leu	Leu	Gln	Asp	Ala	His	Glu	Arg
				305					310					315
Ser	Glu	Ser	Ser	Glu	Val	Ala	Phe	Val	Met	Gln	Leu	Val	Lys	Lys
				320					325					330
Leu	Met	Ile	Ile	Ile	Ala	Arg	Pro	Ala	Arg	Leu	Leu	Glu	Cys	Leu
				335					340					345
Glu	Phe	Asp	Pro	Glu	Glu	Phe	Tyr	His	Leu	Leu	Glu	Ala	Ala	Glu
				350					355					360
Gly	His	Ala	Lys	Glu	Gly	Gln	Gly	Ile	Lys	Cys	Asp	Ile	Pro	Arg
				365					370					375
Tyr	Ile	Val	Ser	Gln	Leu	Gly	Leu	Thr	Arg	Asp	Pro	Leu	Glu	Glu
				380					385					390
Met	Ala	Gln	Leu	Ser	Ser	Cys	Asp	Ser	Pro	Asp	Thr	Pro	Glu	Thr
				395					400					405
Asp	Asp	Ser	Ile	Glu	Gly	His	Gly	Ala	Ser	Leu	Pro	Ser	Lys	Lys
				410					415					420
Thr	Pro	Ser	Glu	Glu	Asp	Phe	Glu	Thr	Ile	Lys	Leu	Ile	Ser	Asn
				425					430					435
Gly	Ala	Tyr	Gly	Ala	Val	Phe	Leu	Val	Arg	His	Lys	Ser	Thr	Arg
				440					445					450
Gln	Arg	Phe	Ala	Met	Lys	Lys	Ile	Asn	Lys	Gln	Asn	Leu	Ile	Leu
				455					460					465
Arg	Asn	Gln	Ile	Gln	Gln	Ala	Phe	Val	Glu	Arg	Asp	Ile	Leu	Thr
				470					475					480
Phe	Ala	Glu	Asn	Pro	Phe	Val	Val	Ser	Met	Phe	Cys	Ser	Phe	Asp
				485					490					495
Thr	Lys	Arg	His	Leu	Cys	Met	Val	Met	Glu	Tyr	Val	Glu	Gly	Gly
				500					505					510
Asp	Cys	Ala	Thr	Leu	Leu	Lys	Asn	Ile	Gly	Ala	Leu	Pro	Val	Asp
				515					520					525
Met	Val	Arg	Leu	Tyr	Phe	Ala	Glu	Thr	Val	Leu	Ala	Leu	Glu	Tyr
				530					535					540
Leu	His	Asn	Tyr	Gly	Ile	Val	His	Arg	Asp	Leu	Lys	Pro	Asp	Asn
				545					550					555
Leu	Leu	Ile	Thr	Ser	Met	Gly	His	Ile	Lys	Leu	Thr	Asp	Phe	Gly
				560					565					570
Leu	Ser	Lys	Met	Gly	Leu	Met	Ser	Leu	Thr	Thr	Asn	Leu	Tyr	Glu
				575					580					585
Gly	His	Ile	Glu	Lys	Asp	Ala	Arg	Glu	Phe	Leu	Asp	Lys	Gln	Val
				590					595					600
Cys	Gly	Thr	Pro	Glu	Tyr	Ile	Ala	Pro	Glu	Val	Ile	Leu	Arg	Gln
				605					610					615
Gly	Tyr	Gly	Lys	Pro	Val	Asp	Trp	Trp	Ala	Met	Gly	Ile	Ile	Leu
				620					625					630
Tyr	Glu	Phe	Leu	Val	Gly	Cys	Val	Pro	Phe	Phe	Gly	Asp	Thr	Pro
				635					640					645
Glu	Glu	Leu	Phe	Gly	Gln	Val	Ile	Ser	Asp	Glu	Ile	Val	Trp	Pro
				650					655					660
Glu	Gly	Asp	Glu	Ala	Leu	Pro	Pro	Asp	Ala	Gln	Asp	Leu	Thr	Ser
				665					670					675
Lys	Leu	Leu	His	Gln	Asn	Pro	Leu	Glu	Arg	Leu	Gly	Thr	Gly	Ser
				680					685					690
Ala	Tyr	Glu	Val	Lys	Gln	His	Pro	Phe	Phe	Thr	Gly	Leu	Asp	Trp
				695					700					705
Thr	Gly	Leu	Leu	Arg	Gln	Lys	Ala	Glu	Phe	Ile	Pro	Gln	Leu	Glu
				710					715					720

Ser Glu Asp Asp Thr Ser Tyr Phe Asp Thr Arg Ser Glu  
725 730

<210> 18  
<211> 114  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7522586CD1

<400> 18  
Met Gly Asp Glu Lys Asp Ser Trp Lys Val Lys Thr Leu Asp Glu  
1 5 10 15  
Ile Leu Gln Glu Lys Lys Arg Arg Lys Glu Gln Glu Glu Lys Ala  
20 25 30  
Glu Ile Lys Arg Leu Lys Asn Ser Asp Asp Arg Asp Ser Lys Arg  
35 40 45  
Asp Ser Leu Glu Glu Gly Glu Leu Arg Asp His Cys Met Glu Ile  
50 55 60  
Thr Ile Arg Asn Ser Pro Tyr Arg Arg Glu Asp Ser Met Glu Asp  
65 70 75  
Arg Gly Glu Glu Asp Asp Ser Leu Ala Ile Lys Pro Pro Gln Gln  
80 85 90  
Met Ser Arg Lys Glu Lys Val His His Arg Lys Asp Glu Lys Arg  
95 100 105  
Lys Glu Lys Trp Thr Ala Trp Ser Ser  
110

<210> 19  
<211> 612  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7524017CD1

<400> 19  
Met Lys Asp Tyr Asp Glu Leu Leu Lys Tyr Tyr Glu Leu His Glu  
1 5 10 15  
Thr Ile Gly Thr Gly Gly Phe Ala Lys Val Lys Leu Ala Cys His  
20 25 30  
Ile Leu Thr Gly Glu Met Val Ala Ile Lys Ile Met Asp Lys Asn  
35 40 45  
Thr Leu Gly Tyr Cys Pro Gly Gly Glu Leu Phe Asp Tyr Ile Ile  
50 55 60  
Ser Gln Asp Arg Leu Ser Glu Glu Glu Thr Arg Val Val Phe Arg  
65 70 75  
Gln Ile Val Ser Ala Val Ala Tyr Val His Ser Gln Gly Tyr Ala  
80 85 90  
His Arg Asp Leu Lys Pro Glu Asn Leu Leu Phe Asp Glu Tyr His  
95 100 105  
Lys Leu Lys Leu Ile Asp Phe Gly Leu Cys Ala Lys Pro Lys Gly  
110 115 120  
Asn Lys Asp Tyr His Leu Gln Thr Cys Gly Ser Leu Ala Tyr  
125 130 135  
Ala Ala Pro Glu Leu Ile Gln Gly Lys Ser Tyr Leu Gly Ser Glu  
140 145 150  
Ala Asp Val Trp Ser Met Gly Ile Leu Leu Tyr Val Leu Met Cys  
155 160 165  
Gly Phe Leu Pro Phe Asp Asp Asp Asn Val Met Ala Leu Tyr Lys  
170 175 180

Lys	Ile	Met	Arg	Gly	Lys	Tyr	Asp	Val	Pro	Lys	Trp	Leu	Ser	Pro
				185					190					195
Ser	Ser	Ile	Leu	Leu	Leu	Gln	Gln	Met	Leu	Gln	Val	Asp	Pro	Lys
				200					205					210
Lys	Arg	Ile	Ser	Met	Lys	Asn	Leu	Leu	Asn	His	Pro	Trp	Ile	Met
				215					220					225
Gln	Asp	Tyr	Asn	Tyr	Pro	Val	Glu	Trp	Gln	Ser	Lys	Asn	Pro	Phe
				230					235					240
Ile	His	Leu	Asp	Asp	Asp	Cys	Val	Thr	Glu	Leu	Ser	Val	His	His
				245					250					255
Arg	Asn	Asn	Arg	Gln	Thr	Met	Glu	Asp	Leu	Ile	Ser	Leu	Trp	Gln
				260					265					270
Tyr	Asp	His	Leu	Thr	Ala	Thr	Tyr	Leu	Leu	Leu	Leu	Ala	Lys	Lys
				275					280					285
Ala	Arg	Gly	Lys	Pro	Val	Arg	Leu	Arg	Leu	Ser	Ser	Phe	Ser	Cys
				290					295					300
Gly	Gln	Ala	Ser	Ala	Thr	Pro	Phe	Thr	Asp	Ile	Lys	Ser	Asn	Asn
				305					310					315
Trp	Ser	Leu	Glu	Asp	Val	Thr	Ala	Ser	Asp	Lys	Asn	Tyr	Val	Ala
				320					325					330
Gly	Leu	Ile	Asp	Tyr	Asp	Trp	Cys	Glu	Asp	Asp	Leu	Ser	Thr	Gly
				335					340					345
Ala	Ala	Thr	Pro	Arg	Thr	Ser	Gln	Phe	Thr	Lys	Tyr	Trp	Thr	Glu
				350					355					360
Ser	Asn	Gly	Val	Glu	Ser	Lys	Ser	Leu	Thr	Pro	Ala	Leu	Cys	Arg
				365					370					375
Thr	Pro	Ala	Asn	Lys	Leu	Lys	Asn	Lys	Glu	Asn	Val	Tyr	Thr	Pro
				380					385					390
Lys	Ser	Ala	Val	Lys	Asn	Glu	Glu	Tyr	Phe	Met	Phe	Pro	Glu	Pro
				395					400					405
Lys	Thr	Pro	Val	Asn	Lys	Asn	Gln	His	Lys	Arg	Glu	Ile	Leu	Thr
				410					415					420
Thr	Pro	Asn	Arg	Tyr	Thr	Thr	Pro	Ser	Lys	Ala	Arg	Asn	Gln	Cys
				425					430					435
Leu	Lys	Glu	Thr	Pro	Ile	Lys	Ile	Pro	Val	Asn	Ser	Thr	Gly	Thr
				440					445					450
Asp	Lys	Leu	Met	Thr	Gly	Val	Ile	Ser	Pro	Glu	Arg	Arg	Cys	Arg
				455					460					465
Ser	Val	Glu	Leu	Asp	Leu	Asn	Gln	Ala	His	Met	Glu	Glu	Thr	Pro
				470					475					480
Lys	Arg	Lys	Gly	Ala	Lys	Val	Phe	Gly	Ser	Leu	Glu	Arg	Gly	Leu
				485					490					495
Asp	Lys	Val	Ile	Thr	Val	Leu	Thr	Arg	Ser	Lys	Arg	Lys	Gly	Ser
				500					505					510
Ala	Arg	Asp	Gly	Pro	Arg	Arg	Leu	Lys	Leu	His	Tyr	Asn	Val	Thr
				515					520					525
Thr	Thr	Arg	Leu	Val	Asn	Pro	Asp	Gln	Leu	Leu	Asn	Glu	Ile	Met
				530					535					540
Ser	Ile	Leu	Pro	Lys	Lys	His	Val	Asp	Phe	Val	Gln	Lys	Gly	Tyr
				545					550					555
Thr	Leu	Lys	Cys	Gln	Thr	Gln	Ser	Asp	Phe	Gly	Lys	Val	Thr	Met
				560					565					570
Gln	Phe	Glu	Leu	Glu	Val	Cys	Gln	Leu	Gln	Lys	Pro	Asp	Val	Val
				575					580					585
Gly	Ile	Arg	Arg	Gln	Arg	Leu	Lys	Gly	Asp	Ala	Trp	Val	Tyr	Lys
				590					595					600
Arg	Leu	Val	Glu	Asp	Ile	Leu	Ser	Ser	Cys	Lys	Val			
				605					610					

&lt;210&gt; 20

&lt;211&gt; 311

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7525773CD1

&lt;400&gt; 20

Met	Leu	Ser	Glu	Val	Leu	Leu	Val	Ser	Ala	Pro	Gly	Lys	Val	Ile
1				5					10					15
Leu	His	Gly	Glu	His	Ala	Val	Val	His	Gly	Lys	Val	Ala	Leu	Ala
				20					25					30
Val	Ser	Leu	Asn	Leu	Arg	Thr	Phe	Leu	Arg	Leu	Gln	Pro	His	Ser
				35					40					45
Asn	Gly	Lys	Val	Asp	Leu	Ser	Leu	Pro	Asn	Ile	Gly	Ile	Lys	Arg
				50					55					60
Ala	Trp	Asp	Val	Ala	Arg	Leu	Gln	Ser	Leu	Asp	Thr	Ser	Phe	Leu
				65					70					75
Glu	Gln	Gly	Asp	Val	Thr	Thr	Pro	Thr	Ser	Glu	Gln	Val	Glu	Lys
				80					85					90
Leu	Lys	Glu	Val	Ala	Gly	Leu	Pro	Asp	Asp	Cys	Ala	Val	Thr	Glu
				95					100					105
Arg	Leu	Ala	Val	Leu	Ala	Phe	Leu	Tyr	Leu	Tyr	Leu	Ser	Ile	Cys
				110					115					120
Arg	Lys	Gln	Arg	Trp	Thr	Lys	Glu	Asp	Leu	Glu	Leu	Ile	Asn	Lys
				125					130					135
Trp	Ala	Phe	Gln	Gly	Glu	Arg	Met	Ile	His	Gly	Asn	Pro	Ser	Gly
				140					145					150
Val	Asp	Asn	Ala	Asp	Ser	Thr	Trp	Gly	Gly	Ala	Leu	Arg	Tyr	His
				155					160					165
Gln	Gly	Lys	Ile	Ser	Ser	Leu	Lys	Arg	Ser	Pro	Ala	Leu	Gln	Ile
				170					175					180
Leu	Leu	Thr	Asn	Ala	Lys	Val	Pro	Arg	Asn	Thr	Arg	Ala	Leu	Val
				185					190					195
Ala	Gly	Val	Arg	Asn	Arg	Leu	Leu	Lys	Phe	Pro	Glu	Ile	Val	Ala
				200					205					210
Pro	Leu	Leu	Thr	Ser	Ile	Asp	Ala	Ile	Ser	Leu	Glu	Cys	Glu	Arg
				215					220					225
Val	Leu	Gly	Glu	Met	Gly	Glu	Ala	Pro	Ala	Pro	Glu	Gln	Tyr	Leu
				230					235					240
Val	Leu	Glu	Glu	Leu	Ile	Asp	Met	Asn	Gln	His	His	Leu	Asn	Ala
				245					250					255
Leu	Gly	Val	Gly	His	Ala	Ser	Leu	Asp	Gln	Leu	Cys	Gln	Val	Thr
				260					265					270
Arg	Ala	Arg	Gly	Leu	His	Ser	Lys	Leu	Thr	Gly	Ala	Gly	Gly	Gly
				275					280					285
Gly	Cys	Gly	Ile	Thr	Leu	Leu	Lys	Pro	Gly	Ile	Pro	Gly	Gly	Trp
				290					295					300
Ser	Ser	Gln	Lys	Trp	Arg	Pro	Arg	Ser	Arg	Pro				
				305					310					

&lt;210&gt; 21

&lt;211&gt; 206

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7525861CD1

&lt;400&gt; 21

Met	Ser	Ser	Pro	Arg	Gly	Phe	Arg	Ala	Glu	Pro	Val	Asn	Asp	Tyr
1				5					10					15
Glu	Gly	Asn	Asp	Ser	Glu	Ala	Glu	Asp	Leu	Asn	Phe	Arg	Glu	Thr
				20					25					30
Leu	Pro	Ser	Ser	Ser	Gln	Glu	Asn	Thr	Pro	Arg	Ser	Lys	Val	Phe
				35					40					45

Glu	Asn	Lys	Val	Asn	Ser	Glu	Lys	Val	Lys	Leu	Ser	Leu	Arg	Asn
				50					55					60
Phe	Pro	His	Asn	Asp	Tyr	Glu	Asp	Val	Phe	Glu	Glu	Pro	Ser	Glu
				65					70					75
Ser	Gly	Ser	Asp	Pro	Ser	Met	Trp	Thr	Ala	Arg	Gly	Pro	Phe	Arg
				80					85					90
Arg	Gly	Arg	Trp	Ser	Ser	Glu	Asp	Glu	Glu	Ala	Ala	Gly	Pro	Ser
				95					100					105
Gln	Ala	Leu	Ser	Pro	Leu	Leu	Ser	Asp	Thr	Arg	Lys	Ile	Val	Ser
				110					115					120
Glu	Gly	Glu	Leu	Asp	Gln	Leu	Ala	Gln	Ile	Arg	Pro	Leu	Ile	Phe
				125					130					135
Asn	Phe	His	Glu	Gln	Thr	Ala	Ile	Lys	Asp	Cys	Leu	Lys	Ile	Leu
				140					145					150
Glu	Glu	Lys	Thr	Ala	Ala	Tyr	Asp	Ile	Met	Gln	Glu	Phe	Met	Phe
				155					160					165
Asn	Ile	Met	Asp	Ile	Val	Ala	Gln	Met	Arg	Glu	Gln	Arg	Ser	Gly
				170					175					180
Met	Val	Gln	Thr	Lys	Glu	Gln	Tyr	His	Phe	Cys	Tyr	Asp	Ile	Val
				185					190					195
Leu	Glu	Val	Leu	Arg	Lys	Leu	Leu	Thr	Leu	Asp				
				200					205					

&lt;210&gt; 22

&lt;211&gt; 1125

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2509577CD1

&lt;400&gt; 22

Met	Pro	Asp	Gln	Asp	Lys	Lys	Val	Lys	Thr	Thr	Glu	Lys	Ser	Thr
1				5					10					15
Asp	Lys	Gln	Gln	Glu	Ile	Thr	Ile	Arg	Asp	Tyr	Ser	Asp	Leu	Lys
				20					25					30
Arg	Leu	Arg	Cys	Leu	Leu	Asn	Val	Gln	Ser	Ser	Lys	Gln	Gln	Leu
				35					40					45
Pro	Ala	Ile	Asn	Phe	Asp	Ser	Ala	Gln	Asn	Ser	Met	Thr	Lys	Ser
				50					55					60
Glu	Pro	Ala	Ile	Arg	Ala	Gly	Gly	His	Arg	Ala	Arg	Gly	Gln	Trp
				65					70					75
His	Glu	Ser	Thr	Glu	Ala	Val	Glu	Leu	Glu	Asn	Phe	Ser	Ile	Asn
				80					85					90
Tyr	Lys	Asn	Glu	Arg	Asn	Phe	Ser	Lys	His	Pro	Gln	Arg	Lys	Leu
				95					100					105
Phe	Gln	Glu	Ile	Phe	Thr	Ala	Leu	Val	Lys	Asn	Arg	Leu	Ile	Ser
				110					115					120
Arg	Glu	Trp	Val	Asn	Arg	Ala	Pro	Ser	Ile	His	Phe	Leu	Arg	Val
				125					130					135
Leu	Ile	Cys	Leu	Arg	Leu	Leu	Met	Arg	Asp	Pro	Cys	Tyr	Gln	Glu
				140					145					150
Ile	Leu	His	Ser	Leu	Gly	Gly	Ile	Glu	Asn	Leu	Ala	Gln	Tyr	Met
				155					160					165
Glu	Ile	Val	Ala	Asn	Glu	Tyr	Leu	Gly	Tyr	Gly	Glu	Glu	Gln	His
				170					175					180
Thr	Val	Asp	Lys	Leu	Val	Asn	Met	Thr	Tyr	Ile	Phe	Gln	Lys	Leu
				185					190					195
Ala	Ala	Val	Lys	Asp	Gln	Arg	Glu	Trp	Val	Thr	Thr	Ser	Gly	Ala
				200					205					210
His	Lys	Thr	Leu	Val	Asn	Leu	Leu	Gly	Ala	Arg	Asp	Thr	Asn	Val
				215					220					225
Leu	Leu	Gly	Ser	Leu	Leu	Ala	Leu	Ala	Ser	Leu	Ala	Glu	Ser	Gln

	230		235		240
Glu Cys Arg Glu	Lys Ile Ser Glu Leu	Asn Ile Val Glu Asn	Leu		
	245		250		255
Leu Met Ile Leu	His Glu Tyr Asp Leu	Leu Ser Lys Arg Leu	Thr		
	260		265		270
Ala Glu Leu Leu	Arg Leu Leu Cys Ala	Glu Pro Gln Val Lys	Glu		
	275		280		285
Gln Val Lys Leu	Tyr Glu Gly Ile Pro	Val Leu Leu Ser Leu	Leu		
	290		295		300
His Ser Asp His	Leu Lys Leu Leu Trp	Ser Ile Val Trp Ile	Leu		
	305		310		315
Val Gln Val Cys	Glu Asp Pro Glu Thr	Ser Val Glu Ile Arg	Ile		
	320		325		330
Trp Gly Gly Ile	Lys Gln Leu Leu His	Ile Leu Gln Gly Asp	Arg		
	335		340		345
Asn Phe Val Ser	Asp His Ser Ser Ile	Gly Ser Leu Ser Ser	Ala		
	350		355		360
Asn Ala Ala Gly	Arg Ile Gln Gln Leu	His Leu Ser Glu Asp	Leu		
	365		370		375
Ser Pro Arg Glu	Ile Gln Glu Asn Thr	Phe Ser Leu Gln Ala	Ala		
	380		385		390
Cys Cys Ala Ala	Leu Thr Glu Leu Val	Leu Asn Asp Thr Asn	Ala		
	395		400		405
His Gln Val Val	Gln Glu Asn Gly Val	Tyr Thr Ile Ala Lys	Leu		
	410		415		420
Ile Leu Pro Asn	Lys Gln Lys Asn Ala	Ala Lys Ser Asn Leu	Leu		
	425		430		435
Gln Cys Tyr Ala	Phe Arg Ala Leu Arg	Phe Leu Phe Ser Met	Glu		
	440		445		450
Arg Asn Arg Pro	Leu Phe Lys Arg Leu	Phe Pro Thr Asp Leu	Phe		
	455		460		465
Glu Ile Phe Ile	Asp Ile Gly His Tyr	Val Arg Asp Ile Ser	Ala		
	470		475		480
Tyr Glu Glu Leu	Val Ser Lys Leu Asn	Leu Leu Val Glu Asp	Glu		
	485		490		495
Leu Lys Gln Ile	Ala Glu Asn Ile Glu	Ser Ile Asn Gln Asn	Lys		
	500		505		510
Ala Pro Leu Lys	Tyr Ile Gly Asn Tyr	Ala Ile Leu Asp His	Leu		
	515		520		525
Gly Ser Gly Ala	Phe Gly Cys Val Tyr	Lys Val Arg Lys His	Ser		
	530		535		540
Gly Gln Asn Leu	Leu Ala Met Lys Glu	Val Asn Leu His Asn	Pro		
	545		550		555
Ala Phe Gly Lys	Asp Lys Lys Asp Arg	Asp Ser Ser Val Arg	Asn		
	560		565		570
Ile Val Ser Glu	Leu Thr Ile Ile Lys	Glu Gln Leu Tyr His	Pro		
	575		580		585
Asn Ile Val Arg	Tyr Tyr Lys Thr Phe	Leu Glu Asn Asp Arg	Leu		
	590		595		600
Tyr Ile Val Met	Glu Leu Ile Glu Gly	Ala Pro Leu Gly Glu	His		
	605		610		615
Phe Ser Ser Leu	Lys Glu Lys His His	His Phe Thr Glu Glu	Arg		
	620		625		630
Leu Trp Lys Ile	Phe Ile Gln Leu Cys	Leu Ala Leu Arg Tyr	Leu		
	635		640		645
His Lys Glu Lys	Arg Ile Val His Arg	Asp Leu Thr Pro Asn	Asn		
	650		655		660
Ile Met Leu Gly	Asp Lys Asp Lys Val	Thr Val Thr Asp Phe	Gly		
	665		670		675
Leu Ala Lys Gln	Lys Gln Glu Asn Ser	Lys Leu Thr Ser Val	Val		
	680		685		690
Gly Thr Ile Leu	Tyr Ser Cys Pro Glu	Val Leu Lys Ser Glu	Pro		
	695		700		705
Tyr Gly Glu Lys	Ala Asp Val Trp Ala	Val Gly Cys Ile Leu	Tyr		

Gln Met Ala Thr	Leu Ser Pro Pro Phe	Tyr Ser Thr Asn Met	Leu
710	715	720	
725	730	735	
Ser Leu Ala Thr	Lys Ile Val Glu Ala	Val Tyr Glu Pro Val	Pro
740	745	750	
Glu Gly Ile Tyr	Ser Glu Lys Val Thr	Asp Thr Ile Ser Arg	Cys
755	760	765	
Leu Thr Pro Asp	Ala Glu Ala Arg Pro	Asp Ile Val Glu Val	Ser
770	775	780	
Ser Met Ile Ser	Asp Val Met Met Lys	Tyr Leu Asp Asn Leu	Ser
785	790	795	
Thr Ser Gln Leu	Ser Leu Glu Lys Lys	Leu Glu Arg Glu Arg	Arg
800	805	810	
Arg Thr Gln Arg	Tyr Phe Met Glu Ala	Asn Arg Asn Thr Val	Thr
815	820	825	
Cys His His Glu	Leu Ala Val Leu Ser	His Glu Thr Phe Glu	Lys
830	835	840	
Ala Ser Leu Ser	Ser Ser Ser Ser Gly	Ala Ala Ser Leu Lys	Ser
845	850	855	
Glu Leu Ser Glu	Ser Ala Asp Leu Pro	Pro Glu Gly Phe Gln	Ala
860	865	870	
Ser Tyr Gly Lys	Asp Glu Asp Arg Ala	Cys Asp Glu Ile Leu	Ser
875	880	885	
Asp Asp Asn Phe	Asn Leu Glu Asn Ala	Glu Lys Asp Thr Tyr	Ser
890	895	900	
Glu Val Asp Asp	Glu Leu Asp Ile Ser	Asp Asn Ser Ser Ser	Ser
905	910	915	
Ser Ser Ser Pro	Leu Lys Glu Ser Thr	Phe Asn Ile Leu Lys	Arg
920	925	930	
Ser Phe Ser Ala	Ser Gly Gly Glu Arg	Gln Ser Gln Thr Arg	Asp
935	940	945	
Phe Thr Gly Gly	Thr Gly Ser Arg Pro	Arg Pro Gly Pro Gln	Met
950	955	960	
Gly Thr Phe Leu	Trp Gln Ala Ser Ala	Gly Ile Ala Val Ser	Gln
965	970	975	
Arg Lys Val Arg	Gln Ile Ser Asp Pro	Ile Gln Gln Ile Leu	Ile
980	985	990	
Gln Leu His Lys	Ile Ile Tyr Ile Thr	Gln Leu Pro Pro Ala	Leu
995	1000	1005	
His His Asn Leu	Lys Arg Arg Val Ile	Glu Arg Phe Lys Lys	Ser
1010	1015	1020	
Leu Phe Ser Gln	Gln Ser Asn Pro Cys	Asn Leu Lys Ser Glu	Ile
1025	1030	1035	
Lys Lys Leu Ser	Gln Gly Ser Pro Glu	Pro Ile Glu Pro Asn	Phe
1040	1045	1050	
Phe Thr Ala Asp	Tyr His Leu Leu His	Arg Ser Ser Gly Gly	Asn
1055	1060	1065	
Ser Leu Ser Pro	Asn Asp Pro Thr Gly	Leu Pro Thr Ser Ile	Glu
1070	1075	1080	
Leu Glu Glu Gly	Ile Thr Tyr Glu Gln	Met Gln Thr Val Ile	Glu
1085	1090	1095	
Glu Val Leu Glu	Glu Ser Gly Tyr Tyr	Asn Phe Thr Ser Asn	Arg
1100	1105	1110	
Tyr His Ser Tyr	Pro Trp Gly Thr Lys	Asn His Pro Thr Lys	Arg
1115	1120	1125	

&lt;210&gt; 23

&lt;211&gt; 888

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7505222CD1

&lt;400&gt; 23

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Met Gln Ile Val Gly Ser Pro Gly Pro Gly Ala Ala Trp Pro Val
  1      5      10      15
Lys Arg Val Val Phe Pro Asn Gly Glu Gln Phe Leu Leu Ser Val
  20      25      30
Ala Thr Lys Lys Val Ile Cys Leu Cys Leu Gly Lys Ala Gly Arg
  35      40      45
Lys Val Leu Ala Lys Lys Leu Ser Pro Leu Glu Thr Met Asp Lys
  50      55      60
Tyr Asp Val Ile Lys Ala Ile Gly Gln Gly Ala Phe Gly Lys Ala
  65      70      75
Tyr Leu Ala Lys Gly Lys Ser Asp Ser Lys His Cys Val Ile Lys
  80      85      90
Glu Ile Asn Phe Glu Lys Met Pro Ile Gln Glu Lys Glu Ala Ser
  95     100     105
Lys Lys Glu Val Ile Leu Leu Glu Lys Met Lys His Pro Asn Ile
 110     115     120
Val Ala Phe Phe Asn Ser Phe Gln Glu Asn Gly Arg Leu Phe Ile
 125     130     135
Val Met Glu Tyr Cys Asp Gly Gly Asp Leu Met Lys Arg Ile Asn
 140     145     150
Arg Gln Arg Gly Val Leu Phe Ser Glu Asp Gln Ile Leu Gly Trp
 155     160     165
Phe Val Gln Ile Ser Leu Gly Leu Lys His Ile His Asp Arg Lys
 170     175     180
Ile Leu His Arg Asp Ile Lys Ala Gln Asn Ile Phe Leu Ser Lys
 185     190     195
Asn Gly Met Val Ala Lys Leu Gly Asp Phe Gly Ile Ala Arg Val
 200     205     210
Leu Asn Asn Ser Met Glu Leu Ala Arg Thr Cys Ile Gly Thr Pro
 215     220     225
Tyr Tyr Leu Ser Pro Glu Ile Cys Gln Asn Lys Pro Tyr Asn Asn
 230     235     240
Lys Thr Asp Ile Trp Ser Leu Gly Cys Val Leu Tyr Glu Leu Cys
 245     250     255
Thr Leu Lys His Pro Phe Glu Gly Asn Asn Leu Gln Gln Leu Val
 260     265     270
Leu Lys Ile Cys Gln Ala His Phe Ala Pro Ile Ser Pro Gly Phe
 275     280     285
Ser Arg Glu Leu His Ser Leu Ile Ser Gln Leu Phe Gln Val Ser
 290     295     300
Pro Arg Asp Arg Pro Ser Ile Asn Ser Ile Leu Lys Arg Pro Phe
 305     310     315
Leu Glu Asn Leu Ile Pro Lys Tyr Leu Thr Pro Glu Val Ile Gln
 320     325     330
Glu Glu Phe Ser His Met Leu Ile Cys Arg Ala Gly Ala Pro Ala
 335     340     345
Ser Arg His Ala Gly Lys Val Val Gln Lys Cys Lys Ile Gln Lys
 350     355     360
Val Arg Phe Gln Gly Lys Cys Pro Pro Arg Ser Arg Ile Ser Val
 365     370     375
Pro Ile Lys Arg Asn Ala Ile Leu His Arg Asn Glu Trp Arg Pro
 380     385     390
Pro Ala Gly Ala Gln Lys Ala Arg Ser Ile Lys Met Ile Glu Arg
 395     400     405
Pro Lys Ile Ala Ala Val Cys Gly His Tyr Asp Tyr Tyr Tyr Ala
 410     415     420
Gln Leu Asp Met Leu Arg Arg Arg Ala His Lys Pro Ser Tyr His
 425     430     435
Pro Ile Pro Gln Glu Asn Thr Gly Val Glu Asp Tyr Gly Gln Glu
 440     445     450
Thr Arg His Gly Pro Ser Pro Ser Gln Trp Pro Ala Glu Tyr Leu

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Gln Arg Lys Phe	455	Glu Ala Gln Gln Tyr	460	Lys Leu Lys Val Glu	465
	470		475		480
Gln Leu Gly Leu	485	Arg Pro Ser Ser Ala	490	Glu Pro Asn Tyr Asn	495
Arg Gln Glu Leu	500	Arg Ser Asn Gly Glu	505	Glu Pro Arg Phe Gln	510
Leu Pro Phe Arg	515	Lys Asn Glu Met Lys	520	Gln Glu Tyr Trp	525
Gln Leu Glu Glu	530	Ile Arg Gln Gln Tyr	535	His Asn Asp Met Lys	540
Ile Arg Lys Lys	545	Met Gly Arg Glu Pro	550	Glu Glu Asn Ser Lys	555
Ser His Lys Thr	560	Tyr Leu Val Lys Lys	565	Ser Asn Leu Pro Val	570
Gln Asp Ala Ser	575	Glu Gly Glu Ala Pro	580	Val Gln Asp Ile Glu	585
Asp Leu Lys Gln	590	Met Arg Leu Gln Asn	595	Thr Lys Glu Ser Lys	600
Pro Glu Gln Lys	605	Tyr Lys Ala Lys Gly	610	Val Lys Phe Glu Ile	615
Leu Asp Lys Cys	620	Ile Ser Asp Glu Asn	625	Ile Leu Gln Glu Glu	630
Ala Met Asp Ile	635	Pro Asn Glu Thr Leu	640	Thr Phe Glu Asp Gly	645
Lys Phe Lys Glu	650	Tyr Glu Cys Val Lys	655	Glu His Gly Asp Tyr	660
Asp Lys Ala Phe	665	Glu Lys Leu His Cys	670	Pro Glu Ala Gly Phe	675
Thr Gln Thr Val	680	Ala Ala Val Gly Asn	685	Arg Arg Gln Trp Asp	690
Gly Ala Pro Gln	695	Thr Leu Leu Gln Met	700	Met Ala Val Ala Asp	705
Thr Ser Thr Cys	710	Pro Thr Gly Pro Asp	715	Asn Gly Gln Val Ile	720
Ile Glu Gly Ile	725	Pro Gly Asn Arg Lys	730	Gln Trp Arg His Glu	735
Pro Gly Thr Leu	740	Met Ser Val Leu Ala	745	Ala Ala His Leu Thr	750
Ser Ser Phe Ser	755	Ala Asp Glu Glu Phe	760	Ala Met Gly Thr Leu	765
Gln Trp Leu Pro	770	Lys Glu Glu Asp Glu	775	Gly Lys Val Glu Met	780
Ser Gly Ile Glu	785	Val Asp Glu Glu Gln	790	Leu Glu Pro Arg Ser	795
Asp Asp Asp Thr	800	Asn Phe Glu Glu Ser	805	Glu Asp Glu Leu Arg	810
Glu Val Val Glu	815	Tyr Leu Glu Lys Leu	820	Ala Thr Phe Lys Gly	825
Glu Lys Thr Glu	830	Glu Ala Ser Ser Thr	835	Ser Lys Asp Ser Arg	840
Ser Arg Glu Arg	845	Glu Gly Ile Ser Met	850	Gln Lys Ser Glu Glu	855
Arg Glu Gly Leu	860	Glu Asn Ile Ser Thr	865	Thr Ser Asn Asp His	870
Cys Ile Thr Asp	875	Glu Asp Gln Gly Thr	880	Ser Thr Thr Ser Gln	885
Ile Gln Val					

&lt;210&gt; 24

&lt;211&gt; 487

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7524408CD1

&lt;400&gt; 24

Met	Gly	Arg	Ile	Gly	Ile	Ser	Cys	Leu	Phe	Pro	Ala	Ser	Trp	His
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Phe	Ser	Ile	Ser	Pro	Val	Gly	Cys	Pro	Arg	Ile	Leu	Asn	Thr	Asn
				20					25					30
Leu	Arg	Gln	Ile	Met	Val	Ile	Ser	Val	Leu	Ala	Ala	Ala	Val	Ser
				35					40					45
Leu	Leu	Tyr	Phe	Ser	Val	Val	Ile	Ile	Arg	Asn	Lys	Tyr	Gly	Arg
				50					55					60
Leu	Thr	Arg	Asp	Lys	Lys	Phe	Gln	Arg	Tyr	Leu	Ala	Arg	Val	Thr
				65					70					75
Asp	Ile	Glu	Ala	Thr	Asp	Thr	Asn	Asn	Pro	Asn	Val	Asn	Tyr	Gly
				80					85					90
Ile	Val	Val	Asp	Cys	Gly	Ser	Ser	Gly	Ser	Arg	Val	Phe	Val	Tyr
				95					100					105
Cys	Trp	Pro	Arg	His	Asn	Gly	Asn	Pro	His	Asp	Leu	Leu	Asp	Ile
				110					115					120
Arg	Gln	Met	Arg	Asp	Lys	Asn	Arg	Lys	Pro	Val	Val	Met	Lys	Ile
				125					130					135
Lys	Pro	Gly	Ile	Ser	Glu	Phe	Ala	Thr	Ser	Pro	Glu	Lys	Val	Ser
				140					145					150
Asp	Tyr	Ile	Ser	Pro	Leu	Leu	Asn	Phe	Ala	Ala	Glu	His	Val	Pro
				155					160					165
Arg	Ala	Lys	His	Lys	Glu	Thr	Pro	Leu	Tyr	Ile	Leu	Cys	Thr	Ala
				170					175					180
Gly	Met	Arg	Ile	Leu	Pro	Glu	Ser	Gln	Gln	Lys	Ala	Ile	Leu	Glu
				185					190					195
Asp	Leu	Leu	Thr	Asp	Ile	Pro	Val	His	Phe	Asp	Phe	Leu	Phe	Ser
				200					205					210
Asp	Ser	His	Ala	Glu	Val	Ile	Ser	Gly	Lys	Gln	Glu	Gly	Val	Tyr
				215					220					225
Ala	Trp	Ile	Gly	Ile	Asn	Phe	Val	Leu	Gly	Arg	Phe	Glu	His	Ile
				230					235					240
Glu	Asp	Asp	Asp	Glu	Ala	Val	Val	Glu	Val	Asn	Ile	Pro	Gly	Ser
				245					250					255
Val	Ser	Ser	Glu	Ala	Ile	Val	Arg	Lys	Arg	Thr	Ala	Gly	Ile	Leu
				260					265					270
Asp	Met	Gly	Gly	Val	Leu	Thr	Gln	Ile	Ala	Tyr	Glu	Val	Pro	Lys
				275					280					285
Thr	Ala	Ser	Phe	Ala	Ser	Ser	Gln	Gln	Glu	Glu	Val	Ala	Lys	Asn
				290					295					300
Leu	Leu	Ala	Glu	Phe	Asn	Leu	Gly	Cys	Asp	Val	His	Gln	Thr	Glu
				305					310					315
His	Val	Tyr	Arg	Val	Tyr	Val	Ala	Thr	Phe	Phe	Gly	Phe	Gly	Gly
				320					325					330
Asn	Ala	Ala	Arg	Gln	Arg	Tyr	Glu	Asp	Arg	Ile	Phe	Ala	Asn	Thr
				335					340					345
Ile	Gln	Lys	Asn	Arg	Leu	Leu	Gly	Lys	Gln	Thr	Gly	Leu	Thr	Pro
				350					355					360
Asp	Met	Pro	Tyr	Leu	Asp	Pro	Cys	Leu	Pro	Leu	Asp	Ile	Lys	Asp
				365					370					375
Glu	Ile	Gln	Gln	Asn	Gly	Gln	Thr	Ile	Tyr	Leu	Arg	Gly	Thr	Gly
				380					385					390
Asp	Phe	Asp	Leu	Cys	Arg	Glu	Thr	Ile	Gln	Pro	Phe	Met	Asn	Lys
				395					400					405
Thr	Asn	Glu	Thr	Gln	Thr	Ser	Leu	Asn	Gly	Val	Tyr	Gln	Pro	Pro
				410					415					420
Ile	His	Phe	Gln	Asn	Ser	Glu	Phe	Tyr	Gly	Phe	Ser	Glu	Phe	Tyr
				425					430					435
Tyr	Cys	Thr	Glu	Asp	Val	Leu	Arg	Met	Gly	Gly	Asp	Tyr	Asn	Ala

Ala Lys Phe Thr	440	445	450
Lys Ala Ala Lys Asp Tyr Cys Ala Thr Lys	455	460	465
Ser Ile Leu Arg Glu Arg Phe Asp Arg Gly Leu Tyr Ala Ser	470	475	480
Ala Asp Leu His Arg Leu Lys	485		

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 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7526163CD1

<400> 25

Met Asp Glu Ser Ser	Leu Leu Arg Arg Arg	Gly Leu Gln Lys Glu
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Leu Ser Leu Pro Arg	Arg Gly Arg Gly Cys	Arg Ser Gly Asn Arg
	20	25
Lys Ser Leu Val Val	Gly Thr Pro Ser Pro	Thr Leu Ser Arg Pro
	35	40
Leu Ser Pro Leu Ser	Val Pro Thr Ala Gly	Ser Ser Pro Leu Asp
	50	55
Ser Pro Arg Asn Phe	Ser Ala Ala Ser Ala	Leu Asn Phe Pro Phe
	65	70
Ala Arg Arg Ala Asp	Gly Arg Arg Trp Ser	Leu Ala Ser Leu Pro
	80	85
Ser Ser Gly Tyr Gly	Thr Asn Thr Pro Ser	Ser Thr Leu Ser Ser
	95	100
Ser Ser Ser Ser Arg	Glu Arg Leu His Gln	Leu Pro Phe Gln Pro
	110	115
Thr Pro Asp Glu Leu	His Phe Leu Ser Lys	His Phe Arg Ser Ser
	125	130
Glu Asn Val Leu Asp	Glu Glu Gly Gly Arg	Ser Pro Arg Leu Arg
	140	145
Pro Arg Ser Arg Ser	Leu Ser Pro Gly Arg	Ala Thr Gly Thr Phe
	155	160
Asp Asn Glu Ile Val	Met Met Asn His Val	Tyr Arg Glu Arg Phe
	170	175
Pro Lys Ala Thr Ala	Gln Met Glu Gly Arg	Leu Gln Glu Phe Leu
	185	190
Thr Ala Tyr Ala Pro	Gly Ala Arg Leu Ala	Leu Ala Asp Gly Val
	200	205
Leu Gly Phe Ile His	His Gln Ile Val Glu	Leu Ala Arg Asp Cys
	215	220
Leu Ala Lys Ser Gly	Glu Asn Leu Val Thr	Ser Arg Tyr Phe Leu
	230	235
Glu Met Gln Glu Lys	Leu Glu Arg Leu Leu	Gln Asp Ala His Glu
	245	250
Arg Ser Asp Ser Glu	Glu Val Ser Phe Ile	Val Gln Leu Val Arg
	260	265
Lys Leu Leu Ile Ile	Ile Ser Arg Pro Ala	Arg Leu Leu Glu Cys
	275	280
Leu Glu Phe Asp Pro	Glu Glu Phe Tyr His	Leu Leu Glu Ala Ala
	290	295
Glu Gly His Ala Arg	Glu Gly Gln Gly Ile	Lys Thr Asp Leu Pro
	305	310
Gln Tyr Ile Ile Gly	Gln Leu Gly Leu Ala	Lys Asp Pro Leu Glu
	320	325
Glu Met Val Pro Leu	Ser His Leu Glu Glu	Gln Pro Pro Ala
	335	340
		345

Pro	Glu	Ser	Pro	Glu	Ser	Arg	Ala	Leu	Val	Gly	Gln	Ser	Arg	Arg
				350					355					360
Lys	Pro	Cys	Glu	Ser	Asp	Phe	Glu	Thr	Ile	Lys	Leu	Ile	Ser	Asn
				365					370					375
Gly	Ala	Tyr	Gly	Ala	Val	Tyr	Leu	Val	Arg	His	Arg	Asp	Thr	Arg
				380					385					390
Gln	Arg	Phe	Ala	Ile	Lys	Lys	Ile	Asn	Lys	Gln	Asn	Leu	Ile	Leu
				395					400					405
Arg	Asn	Gln	Val	Gln	Gln	Val	Phe	Val	Glu	Arg	Asp	Ile	Leu	Thr
				410					415					420
Phe	Ala	Glu	Asn	Pro	Phe	Val	Val	Ser	Met	Phe	Cys	Ser	Phe	Glu
				425					430					435
Thr	Arg	Arg	His	Leu	Cys	Met	Val	Met	Glu	Tyr	Val	Glu	Gly	Gly
				440					445					450
Asp	Cys	Ala	Thr	Leu	Leu	Lys	Asn	Met	Gly	Pro	Leu	Pro	Val	Asp
				455					460					465
Met	Ala	Arg	Leu	Tyr	Phe	Ala	Glu	Thr	Val	Leu	Ala	Leu	Glu	Tyr
				470					475					480
Leu	His	Asn	Tyr	Gly	Ile	Val	His	Arg	Asp	Leu	Lys	Pro	Asp	Asn
				485					490					495
Leu	Leu	Ile	Thr	Ser	Leu	Gly	His	Ile	Lys	Leu	Thr	Asp	Phe	Gly
				500					505					510
Leu	Ser	Lys	Ile	Gly	Leu	Met	Ser	Met	Ala	Thr	Asn	Leu	Tyr	Glu
				515					520					525
Gly	His	Ile	Glu	Lys	Asp	Ala	Arg	Glu	Phe	Ile	Asp	Lys	Gln	Val
				530					535					540
Cys	Gly	Thr	Pro	Glu	Tyr	Ile	Ala	Pro	Glu	Val	Ile	Phe	Arg	Gln
				545					550					555
Gly	Tyr	Gly	Lys	Pro	Val	Asp	Trp	Trp	Ala	Met	Gly	Val	Val	Leu
				560					565					570
Tyr	Glu	Phe	Leu	Val	Gly	Cys	Val	Pro	Phe	Phe	Gly	Asp	Thr	Pro
				575					580					585
Glu	Glu	Leu	Phe	Gly	Gln	Val	Val	Ser	Asp	Glu	Ile	Met	Trp	Pro
				590					595					600
Glu	Gly	Asp	Glu	Ala	Leu	Pro	Ala	Asp	Ala	Gln	Asp	Leu	Ile	Thr
				605					610					615
Arg	Leu	Leu	Arg	Gln	Ser	Pro	Leu	Asp	Arg	Leu	Gly	Thr	Gly	Gly
				620					625					630
Thr	His	Glu	Val	Lys	Gln	His	Pro	Phe	Phe	Leu	Ala	Leu	Asp	Trp
				635					640					645
Ala	Gly	Leu	Leu	Arg	His	Lys	Ala	Glu	Phe	Val	Pro	Gln	Leu	Glu
				650					655					660
Ala	Glu	Asp	Asp	Thr	Ser	Tyr	Phe	Asp	Thr	Arg	Ser	Glu	Arg	Tyr
				665					670					675
Arg	His	Leu	Gly	Ser	Glu	Asp	Asp	Glu	Thr	Asn	Asp	Glu	Glu	Ser
				680					685					690
Ser	Thr	Glu	Ile	Pro	Gln	Phe	Ser	Ser	Cys	Ser	His	Arg	Phe	Ser
				695					700					705
Lys	Val	Tyr	Ser	Ser	Ser	Glu	Phe	Leu	Ala	Val	Gln	Pro	Thr	Pro
				710					715					720
Thr	Phe	Ala	Glu	Arg	Ser	Phe	Ser	Glu	Asp	Arg	Glu	Glu	Gly	Trp
				725					730					735
Glu	Arg	Ser	Glu	Val	Asp	Tyr	Gly	Arg	Arg	Leu	Ser	Ala	Asp	Ile
				740					745					750
Arg	Leu	Arg	Ser	Trp	Thr	Ser	Ser	Gly	Ser	Ser	Cys	Gln	Ser	Ser
				755					760					765
Ser	Ser	Gln	Pro	Glu	Arg	Gly	Pro	Ser	Pro	Ser	Leu	Leu	Asn	Thr
				770					775					780
Ile	Ser	Leu	Asp	Thr	Met	Pro	Lys	Phe	Ala	Phe	Ser	Ser	Glu	Asp
				785					790					795
Glu	Gly	Val	Gly	Pro	Gly	Pro	Ala	Gly	Pro	Lys	Arg	Pro	Val	Phe
				800					805					810
Ile	Leu	Gly	Glu	Pro	Asp	Pro	Pro	Pro	Ala	Ala	Thr	Pro	Val	Met
				815					820					825

Pro	Lys	Pro	Ser	Ser	Leu	Ser	Ala	Asp	Thr	Ala	Ala	Leu	Ser	His
				830					835					840
Ala	Arg	Leu	Arg	Ser	Asn	Ser	Ile	Gly	Ala	Arg	His	Ser	Thr	Pro
				845					850					855
Arg	Pro	Leu	Asp	Ala	Gly	Arg	Gly	Arg	Arg	Leu	Gly	Gly	Pro	Arg
				860					865					870
Asp	Pro	Ala	Pro	Glu	Lys	Ser	Arg	Ala	Ser	Ser	Ser	Gly	Gly	Ser
				875					880					885
Gly	Gly	Gly	Ser	Gly	Gly	Arg	Val	Pro	Lys	Ser	Ala	Ser	Val	Ser
				890					895					900
Ala	Leu	Ser	Leu	Ile	Ile	Thr	Ala	Asp	Asp	Gly	Ser	Gly	Gly	Pro
				905					910					915
Leu	Met	Ser	Pro	Leu	Ser	Pro	Arg	Ser	Leu	Ser	Ser	Asn	Pro	Ser
				920					925					930
Ser	Arg	Asp	Ser	Ser	Pro	Ser	Arg	Asp	Pro	Ser	Pro	Val	Cys	Gly
				935					940					945
Ser	Leu	Arg	Pro	Pro	Ile	Val	Ile	His	Ser	Ser	Gly	Lys	Lys	Tyr
				950					955					960
Gly	Phe	Ser	Leu	Arg	Ala	Ile	Arg	Val	Tyr	Met	Gly	Asp	Ser	Asp
				965					970					975
Val	Tyr	Thr	Val	His	His	Val	Val	Trp	Ser	Val	Glu	Asp	Gly	Ser
				980					985					990
Pro	Ala	Gln	Glu	Ala	Gly	Leu	Arg	Ala	Gly	Asp	Leu	Ile	Thr	His
				995					1000					1005
Ile	Asn	Gly	Glu	Ser	Val	Leu	Gly	Leu	Val	His	Met	Asp	Val	Val
				1010					1015					1020
Glu	Leu	Leu	Leu	Lys	Ser	Gly	Asn	Lys	Ile	Ser	Leu	Arg	Thr	Thr
				1025					1030					1035
Ala	Leu	Glu	Asn	Thr	Ser	Ile	Lys	Val	Gly	Pro	Ala	Arg	Lys	Asn
				1040					1045					1050
Val	Ala	Lys	Gly	Arg	Met	Ala	Arg	Arg	Ser	Lys	Arg	Ser	Arg	Arg
				1055					1060					1065
Arg	Glu	Thr	Gln	Asp	Arg	Arg	Lys	Ser	Leu	Phe	Lys	Lys	Ile	Ser
				1070					1075					1080
Lys	Gln	Thr	Ser	Val	Leu	His	Thr	Ser	Arg	Ser	Phe	Ser	Ser	Gly
				1085					1090					1095
Leu	His	His	Ser	Leu	Ser	Ser	Ser	Glu	Ser	Leu	Pro	Gly	Ser	Pro
				1100					1105					1110
Thr	His	Ser	Leu	Ser	Pro	Ser	Pro	Thr	Thr	Pro	Cys	Arg	Ser	Pro
				1115					1120					1125
Ala	Pro	Asp	Val	Pro	Ala	Asp	Thr	Thr	Ala	Ser	Pro	Pro	Ser	Ala
				1130					1135					1140
Ser	Pro	Ser	Ser	Ser	Ser	Pro	Ala	Ser	Pro	Ala	Ala	Ala	Gly	His
				1145					1150					1155
Thr	Arg	Pro	Ser	Ser	Leu	His	Gly	Leu	Ala	Ala	Lys	Leu	Gly	Pro
				1160					1165					1170
Pro	Arg	Pro	Lys	Thr	Gly	Arg	Arg	Lys	Ser	Thr	Ser	Ser	Ile	Pro
				1175					1180					1185
Pro	Ser	Pro	Leu	Ala	Cys	Pro	Pro	Ile	Ser	Ala	Pro	Pro	Pro	Arg
				1190					1195					1200
Ser	Pro	Ser	Pro	Leu	Pro	Gly	His	Pro	Pro	Ala	Pro	Ala	Arg	Ser
				1205					1210					1215
Pro	Arg	Leu	Arg	Arg	Gly	Gln	Ser	Ala	Asp	Lys	Leu	Gly	Thr	Gly
				1220					1225					1230
Glu	Arg	Leu	Asp	Gly	Glu	Ala	Gly	Arg	Arg	Thr	Arg	Gly	Pro	Glu
				1235					1240					1245
Ala	Glu	Leu	Val	Val	Met	Arg	Arg	Leu	His	Leu	Ser	Glu	Arg	Arg
				1250					1255					1260
Asp	Ser	Phe	Lys	Lys	Gln	Glu	Ala	Val	Gln	Glu	Val	Ser	Phe	Asp
				1265					1270					1275
Glu	Pro	Gln	Glu	Glu	Ala	Thr	Gly	Leu	Pro	Thr	Ser	Val	Pro	Gln
				1280					1285					1290
Ile	Ala	Val	Glu	Gly	Glu	Glu	Ala	Val	Pro	Val	Ala	Leu	Gly	Pro
				1295					1300					1305

Thr Gly Arg Asp

&lt;210&gt; 26

&lt;211&gt; 1331

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7526158CD1

&lt;400&gt; 26

Met	Lys	Ser	Arg	Arg	Asp	Lys	Leu	His	Ile	Pro	Ala	Leu	Thr	Leu	1	5	10	15
Asp	Leu	Ser	Pro	Ser	Ser	Gln	Ser	Pro	Ser	Leu	Leu	Gly	Pro	Ser	20	25	30	35
Ser	Pro	Cys	Ser	Pro	Cys	Ser	Pro	Ser	Leu	Gly	Leu	His	Pro	Trp	40	45	50	55
Ser	Cys	Arg	Ser	Gly	Asn	Arg	Lys	Ser	Leu	Val	Val	Gly	Thr	Pro	60	65	70	75
Ala	Gly	Ser	Ser	Pro	Leu	Asp	Ser	Pro	Arg	Asn	Phe	Ser	Ala	Ala	80	85	90	95
Ser	Ala	Leu	Asn	Phe	Pro	Phe	Ala	Arg	Arg	Ala	Asp	Gly	Arg	Arg	100	105	110	115
Trp	Ser	Leu	Ala	Ser	Leu	Pro	Ser	Ser	Gly	Tyr	Gly	Thr	Asn	Thr	120	125	130	135
Pro	Ser	Ser	Thr	Leu	Ser	Ser	Ser	Ser	Ser	Ser	Arg	Glu	Arg	Leu	140	145	150	155
His	Gln	Leu	Pro	Phe	Gln	Pro	Thr	Pro	Asp	Glu	Leu	His	Phe	Leu	160	165	170	175
Ser	Lys	His	Phe	Arg	Ser	Ser	Glu	Asn	Val	Leu	Asp	Glu	Glu	Gly	180	185	190	195
Gly	Arg	Ser	Pro	Arg	Leu	Arg	Pro	Arg	Ser	Arg	Ser	Leu	Ser	Pro	200	205	210	215
Gly	Arg	Ala	Thr	Gly	Thr	Phe	Asp	Asn	Glu	Ile	Val	Met	Met	Asn	220	225	230	235
His	Val	Tyr	Arg	Glu	Arg	Phe	Pro	Lys	Ala	Thr	Ala	Gln	Met	Glu	240	245	250	255
Gly	Arg	Leu	Gln	Glu	Phe	Leu	Thr	Ala	Tyr	Ala	Pro	Gly	Ala	Arg	260	265	270	275
Leu	Ala	Leu	Ala	Asp	Gly	Val	Leu	Gly	Phe	Ile	His	His	Gln	Ile	280	285	290	295
Val	Glu	Leu	Ala	Arg	Asp	Cys	Leu	Ala	Lys	Ser	Gly	Glu	Asn	Leu	300	305	310	315
Val	Thr	Ser	Arg	Tyr	Phe	Leu	Glu	Met	Gln	Glu	Lys	Leu	Glu	Arg	320	325	330	335
Leu	Leu	Gln	Asp	Ala	His	Glu	Arg	Ser	Asp	Ser	Glu	Glu	Val	Ser	340	345	350	355
Phe	Ile	Val	Gln	Leu	Val	Arg	Lys	Leu	Leu	Ile	Ile	Ile	Ser	Arg	360	365	370	375
Pro	Ala	Arg	Leu	Leu	Glu	Cys	Leu	Glu	Phe	Asp	Pro	Glu	Glu	Phe	380	385	390	395
Tyr	His	Leu	Leu	Glu	Ala	Ala	Glu	Gly	His	Ala	Arg	Glu	Gly	Gln	400	405	410	415
Gly	Ile	Lys	Thr	Asp	Leu	Pro	Gln	Tyr	Ile	Ile	Gly	Gln	Leu	Gly	420	425	430	435
Leu	Ala	Lys	Asp	Pro	Leu	Glu	Glu	Met	Val	Pro	Leu	Ser	His	Leu	440	445	450	455
Glu	Glu	Glu	Gln	Pro	Pro	Ala	Pro	Glu	Ser	Pro	Glu	Ser	Arg	Ala	460	465	470	475
Leu	Val	Gly	Gln	Ser	Arg	Arg	Lys	Pro	Cys	Glu	Ser	Asp	Phe	Glu	480	485	490	495

	380		385		390
Thr Ile Lys Leu	Ile Ser Asn Gly Ala	Tyr Gly Ala Val Tyr	Leu		
	395	400	405		
Val Arg His Arg	Asp Thr Arg Gln Arg	Phe Ala Ile Lys Lys	Ile		
	410	415	420		
Asn Lys Gln Asn	Leu Ile Leu Arg Asn	Gln Ile Gln Gln Val	Phe		
	425	430	435		
Val Glu Arg Asp	Ile Leu Thr Phe Ala	Glu Asn Pro Phe Val	Val		
	440	445	450		
Ser Met Phe Cys	Ser Phe Glu Thr Arg	Arg His Leu Cys Met	Val		
	455	460	465		
Met Glu Tyr Val	Glu Gly Gly Asp Cys	Ala Thr Leu Leu Lys	Asn		
	470	475	480		
Met Gly Pro Leu	Pro Val Asp Met Ala	Arg Leu Tyr Phe Ala	Glu		
	485	490	495		
Thr Val Leu Ala	Leu Glu Tyr Leu His	Asn Tyr Gly Ile Val	His		
	500	505	510		
Arg Asp Leu Lys	Pro Asp Asn Leu Leu	Ile Thr Ser Leu Gly	His		
	515	520	525		
Ile Lys Leu Thr	Asp Phe Gly Leu Ser	Lys Ile Gly Leu Met	Ser		
	530	535	540		
Met Ala Thr Asn	Leu Tyr Glu Gly His	Ile Glu Lys Asp Ala	Arg		
	545	550	555		
Glu Phe Ile Asp	Lys Gln Val Cys Gly	Thr Pro Glu Tyr Ile	Ala		
	560	565	570		
Pro Glu Val Ile	Phe Arg Gln Gly Tyr	Gly Lys Pro Val Asp	Trp		
	575	580	585		
Trp Ala Met Gly	Val Val Leu Tyr Glu	Phe Leu Val Gly Cys	Val		
	590	595	600		
Pro Phe Phe Gly	Asp Thr Pro Glu Glu	Leu Phe Gly Gln Val	Val		
	605	610	615		
Ser Asp Glu Ile	Met Trp Pro Glu Gly	Asp Glu Ala Leu Pro	Ala		
	620	625	630		
Asp Ala Gln Asp	Leu Ile Thr Arg Leu	Leu Arg Gln Ser Pro	Leu		
	635	640	645		
Asp Arg Leu Gly	Thr Gly Gly Thr His	Glu Val Lys Gln His	Pro		
	650	655	660		
Phe Phe Leu Ala	Leu Asp Trp Ala Gly	Leu Leu Arg His Lys	Ala		
	665	670	675		
Glu Phe Val Pro	Gln Leu Glu Ala Glu	Asp Asp Thr Ser Tyr	Phe		
	680	685	690		
Asp Thr Arg Ser	Glu Arg Tyr Arg His	Leu Gly Ser Glu Asp	Asp		
	695	700	705		
Glu Thr Asn Asp	Glu Glu Ser Ser Thr	Glu Ile Pro Gln Phe	Ser		
	710	715	720		
Ser Cys Ser His	Arg Phe Ser Lys Val	Tyr Ser Ser Ser Glu	Phe		
	725	730	735		
Leu Ala Val Gln	Pro Thr Pro Thr Phe	Ala Glu Arg Ser Phe	Ser		
	740	745	750		
Glu Asp Arg Glu	Glu Gly Trp Glu Arg	Ser Glu Val Asp Tyr	Gly		
	755	760	765		
Arg Arg Leu Ser	Ala Asp Ile Arg Leu	Arg Ser Trp Thr Ser	Ser		
	770	775	780		
Gly Ser Ser Cys	Gln Ser Ser Ser Ser	Gln Pro Glu Arg Gly	Pro		
	785	790	795		
Ser Pro Ser Leu	Leu Asn Thr Ile Ser	Leu Asp Thr Met Pro	Lys		
	800	805	810		
Phe Ala Phe Ser	Ser Glu Asp Glu Gly	Val Gly Pro Gly Pro	Ala		
	815	820	825		
Gly Pro Lys Arg	Pro Val Phe Ile Leu	Gly Glu Pro Asp Pro	Pro		
	830	835	840		
Pro Ala Ala Thr	Pro Val Met Pro Lys	Pro Ser Ser Leu Ser	Ala		
	845	850	855		
Asp Thr Ala Ala	Leu Ser His Ala Arg	Leu Arg Ser Asn Ser	Ile		

	860		865		870
Gly Ala Arg His Ser Thr Pro Arg Pro Leu Asp Ala Gly Arg Gly					
	875		880		885
Arg Arg Leu Gly Gly Pro Arg Asp Pro Ala Pro Glu Lys Ser Arg					
	890		895		900
Ala Ser Ser Ser Gly Gly Ser Gly Gly Gly Ser Gly Gly Arg Val					
	905		910		915
Pro Lys Ser Ala Ser Val Ser Ala Leu Ser Leu Ile Ile Thr Ala					
	920		925		930
Asp Asp Gly Ser Gly Gly Pro Leu Met Ser Pro Leu Ser Pro Arg					
	935		940		945
Ser Leu Ser Ser Asn Pro Ser Ser Arg Asp Ser Ser Pro Ser Arg					
	950		955		960
Asp Pro Ser Pro Val Cys Gly Ser Leu Arg Pro Pro Ile Val Ile					
	965		970		975
His Ser Ser Gly Lys Lys Tyr Gly Phe Ser Leu Arg Ala Ile Arg					
	980		985		990
Val Tyr Met Gly Asp Ser Asp Val Tyr Thr Val His His Val Val					
	995		1000		1005
Trp Ser Val Glu Asp Gly Ser Pro Ala Gln Glu Ala Gly Leu Arg					
	1010		1015		1020
Ala Gly Asp Leu Ile Thr His Ile Asn Gly Glu Ser Val Leu Gly					
	1025		1030		1035
Leu Val His Met Asp Val Val Glu Leu Leu Leu Lys Ser Gly Asn					
	1040		1045		1050
Lys Ile Ser Leu Arg Thr Thr Ala Leu Glu Asn Thr Ser Ile Lys					
	1055		1060		1065
Val Gly Pro Ala Arg Lys Asn Val Ala Lys Gly Arg Met Ala Arg					
	1070		1075		1080
Arg Ser Lys Arg Ser Arg Arg Arg Glu Thr Gln Asp Arg Arg Lys					
	1085		1090		1095
Ser Leu Phe Lys Lys Ile Ser Lys Gln Thr Ser Val Leu His Thr					
	1100		1105		1110
Ser Arg Ser Phe Ser Ser Gly Leu His His Ser Leu Ser Ser Ser					
	1115		1120		1125
Glu Ser Leu Pro Gly Ser Pro Thr His Ser Leu Ser Pro Ser Pro					
	1130		1135		1140
Thr Thr Pro Cys Arg Ser Pro Ala Pro Asp Val Pro Ala Asp Thr					
	1145		1150		1155
Thr Ala Ser Pro Pro Ser Ala Ser Pro Ser Ser Ser Ser Pro Ala					
	1160		1165		1170
Ser Pro Ala Ala Ala Gly His Thr Arg Pro Ser Ser Leu His Gly					
	1175		1180		1185
Leu Ala Ala Lys Leu Gly Pro Pro Arg Pro Lys Thr Gly Arg Arg					
	1190		1195		1200
Lys Ser Thr Ser Ser Ile Pro Pro Ser Pro Leu Ala Cys Pro Pro					
	1205		1210		1215
Ile Ser Ala Pro Pro Pro Arg Ser Pro Ser Pro Leu Pro Gly His					
	1220		1225		1230
Pro Pro Ala Pro Ala Arg Ser Pro Arg Leu Arg Arg Gly Gln Ser					
	1235		1240		1245
Ala Asp Lys Leu Gly Thr Gly Glu Arg Leu Asp Gly Glu Ala Gly					
	1250		1255		1260
Arg Arg Thr Arg Gly Pro Glu Ala Glu Leu Val Val Met Arg Arg					
	1265		1270		1275
Leu His Leu Ser Glu Arg Arg Asp Ser Phe Lys Lys Gln Glu Ala					
	1280		1285		1290
Val Gln Glu Val Ser Phe Asp Glu Pro Gln Glu Glu Ala Thr Gly					
	1295		1300		1305
Leu Pro Thr Ser Val Pro Gln Ile Ala Val Glu Gly Glu Glu Ala					
	1310		1315		1320
Val Pro Val Ala Leu Gly Pro Thr Gly Arg Asp					
	1325		1330		

<210> 27  
 <211> 80  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7519807CD1

<400> 27  
 Met Tyr Ser Leu Asn Gln Glu Ile Lys Ala Phe Ser Arg Asn Asn  
 1 5 10 15  
 Pro Arg Lys Gln Cys Thr Arg Val Thr Thr Leu Thr Gly Lys Lys  
 20 25 30  
 Ile Ile Glu Thr Trp Lys Asp Ala Arg Ile His Val Val Glu Glu  
 35 40 45  
 Val Glu Pro Ser Ser Gly Gly Gly Cys Gly Tyr Val Gln Asp Leu  
 50 55 60  
 Ser Ser Asp Gln Gln Val Gly Val Ile Lys Pro Trp Leu Leu Leu  
 65 70 75  
 Gly Asp Ser Tyr Ser  
 80

<210> 28  
 <211> 495  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7526180CD1

<400> 28  
 Met Cys Gln Ala Pro Cys Trp Arg Ala Gly Gly Ser Gly Leu Gly  
 1 5 10 15  
 Arg Cys Ser Leu Cys Arg Ser Cys Ser Leu Ala Arg Phe Pro Arg  
 20 25 30  
 Leu Pro Ser Phe Pro Pro Pro Gly Arg Leu Arg Ala Gly Val Cys  
 35 40 45  
 Ala Arg Glu Gly Glu Gly Val Gly Gly Val Gly Gly Gly Val Pro  
 50 55 60  
 Val Pro Lys Arg Pro Ala Glu Gly Gly Gly Gly Cys Glu Gly Leu  
 65 70 75  
 Arg Glu Ala Met Asp Val Glu Arg Leu Gln Glu Ala Leu Lys Asp  
 80 85 90  
 Phe Glu Lys Arg Gly Lys Lys Glu Val Cys Pro Val Leu Asp Gln  
 95 100 105  
 Phe Leu Cys His Val Ala Lys Thr Gly Glu Thr Met Ile Gln Trp  
 110 115 120  
 Ser Gln Phe Lys Gly Tyr Phe Ile Phe Lys Leu Glu Lys Val Met  
 125 130 135  
 Asp Asp Phe Arg Thr Ser Ala Pro Glu Pro Arg Gly Pro Pro Asn  
 140 145 150  
 Pro Asn Val Glu Tyr Ile Pro Phe Asp Glu Met Lys Glu Arg Ile  
 155 160 165  
 Leu Lys Ile Val Thr Gly Phe Asn Gly Ile Pro Phe Thr Ile Gln  
 170 175 180  
 Arg Leu Cys Glu Leu Leu Thr Asp Pro Arg Arg Asn Tyr Thr Gly  
 185 190 195  
 Thr Asp Lys Phe Leu Arg Gly Val Glu Lys Asn Val Met Val Val  
 200 205 210  
 Ser Cys Val Tyr Pro Ser Ser Glu Lys Asn Asn Ser Asn Ser Leu  
 215 220 225  
 Asn Arg Met Asn Gly Val Met Phe Pro Gly Asn Ser Pro Ser Tyr

Thr	Glu	Arg	Ser	Asn	Ile	Asn	Gly	Pro	Gly	Thr	Pro	Arg	Pro	Leu
				230					235					240
Asn	Arg	Pro	Lys	Val	Ser	Leu	Ser	Ala	Pro	Met	Thr	Thr	Asn	Gly
				245					250					255
Leu	Pro	Glu	Ser	Thr	Asp	Ser	Lys	Glu	Ala	Asn	Leu	Gln	Gln	Asn
				260					265					270
Glu	Glu	Lys	Asn	His	Ser	Asp	Ser	Ser	Thr	Ser	Glu	Ser	Glu	Val
				275					280					285
Ser	Ser	Val	Ser	Pro	Leu	Lys	Asn	Lys	His	Pro	Asp	Glu	Asp	Ala
				290					295					300
Val	Glu	Ala	Glu	Gly	His	Glu	Val	Lys	Arg	Leu	Arg	Phe	Asp	Lys
				305					310					315
Glu	Gly	Glu	Val	Arg	Glu	Thr	Ala	Ser	Gln	Thr	Thr	Ser	Ser	Glu
				320					325					330
Ile	Ser	Ser	Val	Met	Val	Gly	Glu	Thr	Glu	Ala	Ser	Ser	Ser	Ser
				335					340					345
Gln	Asp	Lys	Asp	Lys	Asp	Ser	Arg	Cys	Thr	Arg	Gln	His	Cys	Thr
				350					355					360
Glu	Glu	Asp	Glu	Glu	Glu	Asp	Glu	Glu	Glu	Glu	Glu	Glu	Ser	Phe
				365					370					375
Met	Thr	Ser	Arg	Glu	Met	Ile	Pro	Glu	Arg	Lys	Asn	Gln	Glu	Lys
				380					385					390
Glu	Ser	Asp	Asp	Ala	Leu	Thr	Val	Asn	Glu	Glu	Thr	Ser	Glu	Glu
				395					400					405
Asn	Asn	Gln	Met	Glu	Glu	Ser	Asp	Val	Ser	Gln	Ala	Glu	Lys	Asp
				410					415					420
Leu	Leu	His	Ser	Glu	Gly	Ser	Glu	Asn	Glu	Gly	Pro	Val	Ser	Ser
				425					430					435
Ser	Ser	Ser	Asp	Cys	Arg	Glu	Thr	Glu	Glu	Leu	Val	Gly	Ser	Asn
				440					445					450
Ser	Ser	Lys	Thr	Gly	Glu	Ile	Leu	Ser	Glu	Ser	Ser	Met	Glu	Asn
				455					460					465
Asp	Asp	Glu	Ala	Thr	Glu	Val	Thr	Asp	Glu	Pro	Met	Glu	Gln	Asp
				470					475					480
				485					490					495

<210> 29  
 <211> 157  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7526185CD1

<400> 29  
 Met Ala His Ser Pro Val Gln Ser Gly Leu Pro Gly Met Gln Asn  
 1 5 10 15  
 Leu Lys Ala Asp Pro Glu Glu Leu Phe Thr Lys Leu Glu Lys Ile  
 20 25 30  
 Gly Lys Gly Ser Phe Gly Glu Val Phe Lys Gly Ile Asp Asn Arg  
 35 40 45  
 Thr Gln Lys Val Val Ala Ile Lys Ile Ile Asp Leu Glu Glu Ala  
 50 55 60  
 Glu Asp Glu Ile Glu Asp Ile Gln Gln Glu Ile Thr Val Leu Ser  
 65 70 75  
 Gln Cys Asp Ser Pro Tyr Val Thr Lys Tyr Tyr Gly Ser Tyr Leu  
 80 85 90  
 Lys Asp Thr Lys Leu Trp Ile Ile Met Glu Tyr Leu Gly Gly Gly  
 95 100 105  
 Ser Ala Leu Asp Leu Leu Glu Pro Gly Pro Leu Asp Glu Thr Gln  
 110 115 120  
 Ile Ala Thr Ile Leu Arg Glu Ile Leu Lys Gly Leu Asp Tyr Leu

	125		130		135
His Ser Glu Lys	Lys Ile His Arg Asp	Ile Lys Gly Arg His	Leu		
	140		145		150
Val Pro Gly His	Asn Ser Tyr				
	155				

<210> 30  
 <211> 305  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7526192CD1

<400> 30  
 Met Asp Phe Asp Lys Lys Gly Gly Lys Gly Glu Thr Glu Glu Gly  
 1 5 10 15  
 Arg Arg Met Ser Lys Ala Gly Gly Gly Arg Ser Ser His Gly Ile  
 20 25 30  
 Arg Ser Ser Gly Thr Ser Ser Gly Val Leu Met Val Gly Pro Asn  
 35 40 45  
 Phe Arg Val Gly Lys Lys Ile Gly Cys Gly Asn Phe Gly Glu Leu  
 50 55 60  
 Arg Leu Gly Lys Asn Leu Tyr Thr Asn Glu Tyr Val Ala Ile Lys  
 65 70 75  
 Leu Val Ser Arg Pro Leu His Pro Thr Pro Ala Asp Val Pro Pro  
 80 85 90  
 Arg Asp Phe Arg Ala Ala Thr Arg Ser Pro Gly Asp Ser Leu Leu  
 95 100 105  
 Cys Pro Gln Glu Pro Ile Lys Ser Arg Ala Pro Gln Leu His Leu  
 110 115 120  
 Glu Tyr Arg Phe Tyr Lys Gln Leu Ser Ala Thr Glu Gly Val Pro  
 125 130 135  
 Gln Val Tyr Tyr Phe Gly Pro Cys Gly Lys Tyr Asn Ala Met Val  
 140 145 150  
 Leu Glu Leu Leu Gly Pro Ile Leu Glu Asp Leu Phe Asp Leu Cys  
 155 160 165  
 Asp Arg Thr Phe Thr Leu Thr Thr Val Leu Met Ile Ala Ile Gln  
 170 175 180  
 Leu Ile Thr Arg Met Glu Tyr Val His Thr Lys Ser Leu Ile Tyr  
 185 190 195  
 Arg Asp Val Lys Pro Glu Asn Phe Leu Val Gly Arg Pro Gly Thr  
 200 205 210  
 Lys Arg Gln His Ala Ile His Ile Ile Asp Phe Gly Leu Ala Lys  
 215 220 225  
 Glu Tyr Ile Asp Pro Glu Thr Lys Lys His Ile Pro Tyr Arg Glu  
 230 235 240  
 His Lys Ser Leu Thr Gly Thr Ala Arg Tyr Met Ser Ile Asn Thr  
 245 250 255  
 His Leu Gly Lys Glu Gln Ser Arg Arg Asp Asp Leu Glu Ala Leu  
 260 265 270  
 Gly His Met Phe Met Tyr Phe Leu Arg Gly Ser Leu Pro Trp Gln  
 275 280 285  
 Gly Leu Lys Val Gly Glu Glu Ala Gly Gln Ala Gly Gly Asp Ala  
 290 295 300  
 Gly Arg Glu Gln Gly  
 305

<210> 31  
 <211> 930  
 <212> PRT  
 <213> Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7526193CD1

&lt;400&gt; 31

Met	Lys	Lys	Phe	Phe	Asp	Ser	Arg	Arg	Glu	Gln	Gly	Gly	Ser	Gly
1				5					10					15
Leu	Gly	Ser	Gly	Ser	Ser	Gly	Gly	Gly	Gly	Ser	Thr	Ser	Gly	Leu
				20					25					30
Gly	Ser	Gly	Tyr	Ile	Gly	Arg	Val	Phe	Gly	Ile	Gly	Arg	Gln	Gln
				35					40					45
Val	Thr	Val	Asp	Glu	Val	Leu	Ala	Glu	Gly	Gly	Phe	Ala	Ile	Val
				50					55					60
Phe	Leu	Val	Arg	Thr	Ser	Asn	Gly	Met	Lys	Cys	Ala	Leu	Lys	Arg
				65					70					75
Met	Phe	Val	Asn	Asn	Glu	His	Asp	Leu	Gln	Val	Cys	Lys	Arg	Glu
				80					85					90
Ile	Gln	Ile	Met	Arg	Asp	Leu	Ser	Gly	His	Lys	Asn	Ile	Val	Gly
				95					100					105
Tyr	Ile	Asp	Ser	Ser	Ile	Asn	Asn	Val	Ser	Ser	Gly	Asp	Val	Trp
				110					115					120
Glu	Val	Leu	Ile	Leu	Met	Asp	Phe	Cys	Arg	Gly	Gly	Gln	Val	Val
				125					130					135
Asn	Leu	Met	Asn	Gln	Arg	Leu	Gln	Thr	Gly	Phe	Thr	Glu	Asn	Glu
				140					145					150
Val	Leu	Gln	Ile	Phe	Cys	Asp	Thr	Cys	Glu	Ala	Val	Ala	Arg	Leu
				155					160					165
His	Gln	Cys	Lys	Thr	Pro	Ile	Ile	His	Arg	Asp	Leu	Lys	Val	Glu
				170					175					180
Asn	Ile	Leu	Leu	His	Asp	Arg	Gly	His	Tyr	Val	Leu	Cys	Asp	Phe
				185					190					195
Gly	Ser	Ala	Thr	Asn	Lys	Phe	Gln	Asn	Pro	Gln	Thr	Glu	Gly	Val
				200					205					210
Asn	Ala	Val	Glu	Asp	Glu	Ile	Lys	Lys	Tyr	Thr	Thr	Leu	Ser	Tyr
				215					220					225
Arg	Ala	Pro	Glu	Met	Val	Asn	Leu	Tyr	Ser	Gly	Lys	Ile	Ile	Thr
				230					235					240
Thr	Lys	Ala	Asp	Ile	Trp	Ala	Leu	Gly	Cys	Leu	Leu	Tyr	Lys	Leu
				245					250					255
Cys	Tyr	Phe	Thr	Leu	Pro	Phe	Gly	Glu	Ser	Gln	Val	Ala	Ile	Cys
				260					265					270
Asp	Gly	Asn	Phe	Thr	Ile	Pro	Asp	Asn	Ser	Arg	Tyr	Ser	Gln	Asp
				275					280					285
Met	His	Cys	Leu	Ile	Arg	Tyr	Met	Leu	Glu	Pro	Asp	Pro	Asp	Lys
				290					295					300
Arg	Pro	Asp	Ile	Tyr	Gln	Val	Ser	Tyr	Phe	Ser	Phe	Lys	Leu	Leu
				305					310					315
Lys	Lys	Glu	Cys	Pro	Ile	Pro	Asn	Val	Gln	Asn	Ser	Pro	Ile	Pro
				320					325					330
Ala	Lys	Leu	Pro	Glu	Pro	Val	Lys	Ala	Ser	Glu	Ala	Ala	Ala	Lys
				335					340					345
Lys	Thr	Gln	Pro	Lys	Ala	Arg	Leu	Thr	Asp	Pro	Ile	Pro	Thr	Thr
				350					355					360
Glu	Thr	Ser	Ile	Ala	Pro	Arg	Gln	Arg	Pro	Lys	Ala	Gly	Gln	Thr
				365					370					375
Gln	Pro	Asn	Pro	Gly	Ile	Leu	Pro	Ile	Gln	Pro	Ala	Leu	Thr	Pro
				380					385					390
Arg	Lys	Arg	Ala	Thr	Val	Gln	Pro	Pro	Pro	Gln	Ala	Ala	Gly	Ser
				395					400					405
Ser	Asn	Gln	Pro	Gly	Leu	Leu	Ala	Ser	Val	Pro	Gln	Pro	Lys	Pro
				410					415					420
Gln	Ala	Pro	Pro	Ser	Gln	Pro	Leu	Pro	Gln	Thr	Gln	Ala	Lys	Gln
				425					430					435
Pro	Gln	Ala	Pro	Pro	Thr	Pro	Gln	Gln	Thr	Pro	Ser	Thr	Gln	Ala

	440		445		450
Gln Gly Leu Pro	Ala Gln Ala Gln Ala	Thr Pro Gln His Gln	Gln		
	455		460		465
Gln Leu Phe Leu	Lys Gln Gln Gln Gln	Gln Gln Gln Pro Pro	Pro		
	470		475		480
Ala Gln Gln Gln	Pro Ala Gly Thr Phe	Tyr Gln Gln Gln Gln	Ala		
	485		490		495
Gln Thr Gln Gln	Phe Gln Ala Val His	Pro Ala Thr Gln Gln	Pro		
	500		505		510
Ala Ile Ala Gln	Phe Pro Val Val Ser	Gln Gly Gly Ser Gln	Gln		
	515		520		525
Gln Leu Met Gln	Asn Phe Tyr Gln Gln	Gln Gln Gln Gln Gln	Gln		
	530		535		540
Gln Gln Gln Gln	Gln Gln Leu Ala Thr	Ala Leu His Gln Gln	Gln		
	545		550		555
Leu Met Thr Gln	Gln Ala Ala Leu Gln	Gln Lys Pro Thr Met	Ala		
	560		565		570
Ala Gly Gln Gln	Pro Gln Pro Gln Pro	Ala Ala Ala Pro Gln	Pro		
	575		580		585
Ala Pro Ala Gln	Glu Pro Ala Gln Ile	Gln Ala Pro Val Arg	Gln		
	590		595		600
Gln Pro Lys Val	Gln Thr Thr Pro Pro	Pro Ala Val Gln Gly	Gln		
	605		610		615
Lys Val Gly Ser	Leu Thr Pro Pro Ser	Ser Pro Lys Thr Gln	Arg		
	620		625		630
Ala Gly His Arg	Arg Ile Leu Ser Asp	Val Thr His Ser Ala	Val		
	635		640		645
Phe Gly Val Pro	Ala Ser Lys Ser Thr	Gln Leu Leu Gln Ala	Ala		
	650		655		660
Ala Ala Glu Ala	Ser Leu Asn Lys Ser	Lys Ser Ala Thr Thr	Thr		
	665		670		675
Pro Ser Gly Ser	Pro Arg Thr Ser Gln	Gln Asn Val Tyr Asn	Pro		
	680		685		690
Ser Glu Gly Ser	Thr Trp Asn Pro Phe	Asp Asp Asp Asn Phe	Ser		
	695		700		705
Lys Leu Thr Ala	Glu Glu Leu Leu Asn	Lys Asp Phe Ala Lys	Leu		
	710		715		720
Gly Glu Gly Lys	His Pro Glu Lys Leu	Gly Gly Ser Ala Glu	Ser		
	725		730		735
Leu Ile Pro Gly	Phe Gln Ser Thr Gln	Gly Asp Ala Phe Ala	Thr		
	740		745		750
Thr Ser Phe Ser	Ala Gly Thr Glu Lys	Leu Ile Glu Gly Leu	Lys		
	755		760		765
Ser Pro Asp Thr	Ser Leu Leu Leu Pro	Asp Leu Leu Pro Met	Thr		
	770		775		780
Asp Pro Phe Gly	Ser Thr Ser Asp Ala	Val Ile Glu Lys Ala	Asp		
	785		790		795
Val Ala Val Glu	Ser Leu Ile Pro Gly	Leu Glu Pro Pro Val	Pro		
	800		805		810
Gln Arg Leu Pro	Ser Gln Thr Glu Ser	Val Thr Ser Asn Arg	Thr		
	815		820		825
Asp Ser Leu Thr	Gly Glu Asp Ser Leu	Leu Asp Cys Ser Leu	Leu		
	830		835		840
Ser Asn Pro Thr	Thr Asp Leu Leu Glu	Glu Phe Ala Pro Thr	Ala		
	845		850		855
Ile Ser Ala Pro	Val His Lys Ala Ala	Glu Asp Ser Asn Leu	Ile		
	860		865		870
Ser Gly Phe Asp	Val Pro Glu Gly Ser	Asp Lys Val Ala Glu	Asp		
	875		880		885
Glu Phe Asp Pro	Ile Pro Val Leu Ile	Thr Lys Asn Pro Gln	Gly		
	890		895		900
Gly His Ser Arg	Asn Ser Ser Gly Ser	Ser Glu Ser Ser Leu	Pro		
	905		910		915
Asn Leu Ala Arg	Ser Leu Leu Leu Val	Asp Gln Leu Ile Asp	Leu		

920

925

930

<210> 32  
 <211> 118  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7526196CD1

<400> 32  
 Met Ser Leu Leu Gln Ser Ala Leu Asp Phe Leu Ala Gly Pro Gly  
   1                  5                  10                  15  
 Ser Leu Gly Gly Ala Ser Gly Arg Asp Gln Ser Asp Phe Val Gly  
                   20                  25                  30  
 Gln Thr Val Glu Leu Gly Glu Leu Arg Leu Arg Val Arg Arg Val  
                   35                  40                  45  
 Leu Ala Glu Gly Gly Phe Ala Phe Val Tyr Glu Ala Gln Asp Val  
                   50                  55                  60  
 Gly Ser Gly Arg Glu Tyr Ala Leu Lys Arg Leu Leu Ser Asn Glu  
                   65                  70                  75  
 Glu Glu Lys Asn Arg Ala Ile Ile Gln Glu Val Cys Phe Met Leu  
                   80                  85                  90  
 Cys Ser Leu Gly Glu Pro Ala Gly Cys Leu Ser Val Gly Ser Gly  
                   95                  100                  105  
 Gly His Ser His Ala Ser Ala Ser Leu Arg Thr Ala Pro  
                   110                  115

<210> 33  
 <211> 1355  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7526198CD1

<400> 33  
 Met Ser Leu Leu Gln Ser Ala Leu Asp Phe Leu Ala Gly Pro Gly  
   1                  5                  10                  15  
 Ser Leu Gly Gly Ala Ser Gly Arg Asp Gln Ser Asp Phe Val Gly  
                   20                  25                  30  
 Gln Thr Val Glu Leu Gly Glu Leu Arg Leu Arg Val Arg Arg Val  
                   35                  40                  45  
 Leu Ala Glu Gly Gly Phe Ala Phe Val Tyr Glu Ala Gln Asp Val  
                   50                  55                  60  
 Gly Ser Gly Arg Glu Tyr Ala Leu Lys Arg Leu Leu Ser Asn Glu  
                   65                  70                  75  
 Glu Glu Lys Asn Arg Ala Ile Ile Gln Glu Val Cys Phe Met Lys  
                   80                  85                  90  
 Lys Leu Ser Gly His Pro Asn Ile Val Gln Phe Cys Ser Ala Ala  
                   95                  100                  105  
 Ser Ile Gly Lys Glu Glu Ser Asp Thr Gly Gln Ala Glu Phe Leu  
                   110                  115                  120  
 Leu Leu Thr Glu Leu Cys Lys Gly Gln Leu Val Glu Phe Leu Lys  
                   125                  130                  135  
 Lys Met Glu Ser Arg Gly Pro Leu Ser Cys Asp Thr Val Leu Lys  
                   140                  145                  150  
 Ile Phe Tyr Gln Thr Cys Arg Ala Val Gln His Met His Arg Gln  
                   155                  160                  165  
 Lys Pro Pro Ile Ile His Arg Asp Leu Lys Val Glu Asn Leu Leu  
                   170                  175                  180

Leu	Ser	Asn	Gln	Gly	Thr	Ile	Lys	Leu	Cys	Asp	Phe	Gly	Ser	Ala
				185					190					195
Thr	Thr	Ile	Ser	His	Tyr	Pro	Asp	Tyr	Ser	Trp	Ser	Ala	Gln	Arg
				200					205					210
Arg	Ala	Leu	Val	Glu	Glu	Glu	Ile	Thr	Arg	Asn	Thr	Thr	Pro	Met
				215					220					225
Tyr	Arg	Thr	Pro	Glu	Ile	Ile	Asp	Leu	Tyr	Ser	Asn	Phe	Pro	Ile
				230					235					240
Gly	Glu	Lys	Gln	Asp	Ile	Trp	Ala	Leu	Gly	Cys	Ile	Leu	Tyr	Leu
				245					250					255
Leu	Cys	Phe	Arg	Gln	His	Pro	Phe	Glu	Asp	Gly	Ala	Lys	Leu	Arg
				260					265					270
Ile	Val	Asn	Gly	Lys	Tyr	Ser	Ile	Pro	Pro	His	Asp	Thr	Gln	Tyr
				275					280					285
Thr	Val	Phe	His	Ser	Leu	Ile	Arg	Ala	Met	Leu	Gln	Val	Asn	Pro
				290					295					300
Glu	Glu	Arg	Leu	Ser	Ile	Ala	Glu	Val	Val	His	Gln	Leu	Gln	Glu
				305					310					315
Ile	Ala	Ala	Ala	Arg	Asn	Val	Asn	Pro	Lys	Ser	Pro	Ile	Thr	Glu
				320					325					330
Leu	Leu	Glu	Gln	Asn	Gly	Gly	Tyr	Gly	Ser	Ala	Thr	Leu	Ser	Arg
				335					340					345
Gly	Pro	Pro	Pro	Pro	Val	Gly	Pro	Ala	Gly	Ser	Gly	Tyr	Ser	Gly
				350					355					360
Gly	Leu	Ala	Leu	Ala	Glu	Tyr	Asp	Gln	Pro	Tyr	Gly	Gly	Phe	Leu
				365					370					375
Asp	Ile	Leu	Arg	Gly	Gly	Thr	Glu	Arg	Leu	Phe	Thr	Asn	Leu	Lys
				380					385					390
Asp	Thr	Ser	Ser	Lys	Val	Ile	Gln	Ser	Val	Ala	Asn	Tyr	Ala	Lys
				395					400					405
Gly	Asp	Leu	Asp	Ile	Ser	Tyr	Ile	Thr	Ser	Arg	Ile	Ala	Val	Met
				410					415					420
Ser	Phe	Pro	Ala	Glu	Gly	Val	Glu	Ser	Ala	Leu	Lys	Asn	Asn	Ile
				425					430					435
Glu	Asp	Val	Arg	Leu	Phe	Leu	Asp	Ser	Lys	His	Pro	Gly	His	Tyr
				440					445					450
Ala	Val	Tyr	Asn	Leu	Ser	Pro	Arg	Thr	Tyr	Arg	Pro	Ser	Arg	Phe
				455					460					465
His	Asn	Arg	Val	Ser	Glu	Cys	Gly	Trp	Ala	Ala	Arg	Arg	Ala	Pro
				470					475					480
His	Leu	His	Thr	Leu	Tyr	Asn	Ile	Cys	Arg	Asn	Met	His	Ala	Trp
				485					490					495
Leu	Arg	Gln	Asp	His	Lys	Asn	Val	Cys	Val	Val	His	Cys	Met	Asp
				500					505					510
Gly	Arg	Ala	Ala	Ser	Ala	Val	Ala	Val	Cys	Ser	Phe	Leu	Cys	Phe
				515					520					525
Cys	Arg	Leu	Phe	Ser	Thr	Ala	Glu	Ala	Ala	Val	Tyr	Met	Phe	Ser
				530					535					540
Met	Lys	Arg	Cys	Pro	Pro	Gly	Ile	Trp	Pro	Ser	His	Lys	Arg	Tyr
				545					550					555
Ile	Glu	Tyr	Met	Cys	Asp	Met	Val	Ala	Glu	Glu	Pro	Ile	Thr	Pro
				560					565					570
His	Ser	Lys	Pro	Ile	Leu	Val	Arg	Ala	Val	Val	Met	Thr	Pro	Val
				575					580					585
Pro	Leu	Phe	Ser	Lys	Gln	Arg	Ser	Gly	Cys	Arg	Pro	Phe	Cys	Glu
				590					595					600
Val	Tyr	Val	Gly	Asp	Glu	Arg	Val	Ala	Ser	Thr	Ser	Gln	Glu	Tyr
				605					610					615
Asp	Lys	Met	Arg	Asp	Phe	Lys	Ile	Glu	Asp	Gly	Ile	Ala	Val	Ile
				620					625					630
Pro	Leu	Gly	Val	Thr	Val	Gln	Gly	Asp	Val	Leu	Ile	Val	Ile	Tyr
				635					640					645
His	Ala	Arg	Ser	Thr	Leu	Gly	Gly	Arg	Leu	Gln	Ala	Lys	Met	Ala
				650					655					660

Ser Met Lys Met	Phe Gln Ile Gln Phe	His Thr Gly Phe Val	Pro
665	670		675
Arg Asn Ala Thr	Thr Val Lys Phe Ala	Lys Tyr Asp Leu Asp	Ala
680	685		690
Cys Asp Ile Gln	Glu Lys Tyr Pro Asp	Leu Phe Gln Val Asn	Leu
695	700		705
Glu Val Glu Val	Glu Pro Arg Asp Arg	Pro Ser Arg Glu Ala	Pro
710	715		720
Pro Trp Glu Asn	Ser Ser Met Arg Gly	Leu Asn Pro Lys Ile	Leu
725	730		735
Phe Ser Ser Arg	Glu Glu Gln Gln Asp	Ile Leu Ser Lys Phe	Gly
740	745		750
Lys Pro Glu Leu	Pro Arg Gln Pro Gly	Ser Thr Ala Gln Tyr	Asp
755	760		765
Ala Gly Ala Gly	Ser Pro Glu Ala Glu	Pro Thr Asp Ser Asp	Ser
770	775		780
Pro Pro Ser Ser	Ser Ala Asp Ala Ser	Arg Phe Leu His Thr	Leu
785	790		795
Asp Trp Gln Glu	Glu Lys Glu Ala Glu	Thr Gly Ala Glu Asn	Ala
800	805		810
Ser Ser Lys Glu	Ser Glu Ser Ala Leu	Met Glu Asp Arg Asp	Glu
815	820		825
Ser Glu Val Ser	Asp Glu Gly Gly Ser	Pro Ile Ser Ser Glu	Gly
830	835		840
Gln Glu Pro Arg	Ala Asp Pro Glu Pro	Pro Gly Leu Ala Ala	Gly
845	850		855
Leu Val Gln Gln	Asp Leu Val Phe Glu	Val Glu Thr Pro Ala	Val
860	865		870
Leu Pro Glu Pro	Val Pro Gln Glu Asp	Gly Val Asp Leu Leu	Gly
875	880		885
Leu His Ser Glu	Val Gly Ala Gly Pro	Ala Val Pro Pro Gln	Ala
890	895		900
Cys Lys Ala Pro	Ser Ser Asn Thr Asp	Leu Leu Ser Cys Leu	Leu
905	910		915
Gly Pro Pro Glu	Ala Ala Ser Gln Gly	Pro Pro Glu Asp Leu	Leu
920	925		930
Ser Glu Asp Pro	Leu Leu Leu Ala Ser	Pro Ala Pro Pro Leu	Ser
935	940		945
Val Gln Ser Thr	Pro Arg Gly Gly Pro	Pro Ala Ala Ala Asp	Pro
950	955		960
Phe Gly Pro Leu	Leu Pro Ser Ser Gly	Asn Asn Ser Gln Pro	Cys
965	970		975
Ser Asn Pro Asp	Leu Phe Gly Glu Phe	Leu Asn Ser Asp Ser	Val
980	985		990
Thr Val Pro Pro	Ser Phe Pro Ser Ala	His Ser Ala Pro Pro	Pro
995	1000		1005
Ser Cys Ser Ala	Asp Phe Leu His Leu	Gly Asp Leu Pro Gly	Glu
1010	1015		1020
Pro Ser Lys Met	Thr Ala Ser Ser Ser	Asn Pro Asp Leu Leu	Gly
1025	1030		1035
Gly Trp Ala Ala	Trp Thr Glu Thr Ala	Ala Ser Ala Val Ala	Pro
1040	1045		1050
Thr Pro Ala Thr	Glu Gly Pro Leu Phe	Ser Pro Gly Gly Gln	Pro
1055	1060		1065
Ala Pro Cys Gly	Ser Gln Ala Ser Trp	Thr Lys Ser Gln Asn	Pro
1070	1075		1080
Asp Pro Phe Ala	Asp Leu Gly Asp Leu	Ser Ser Gly Leu Gln	Asp
1085	1090		1095
Pro Gln Ala Gln	Ser Thr Val Ser Pro	Arg Gly Gln Arg Val	Cys
1100	1105		1110
Thr Cys Ser Arg	Arg Leu Pro Thr Gly	Lys Leu Lys Pro Gly	Val
1115	1120		1125
Ala Asp Thr Gly	Thr Ala Ala Ser Pro	His Arg His Cys Gly	Ser
1130	1135		1140

```

Pro Ala Gly Phe Pro Pro Gly Gly Phe Ile Pro Lys Thr Ala Thr
      1145      1150      1155
Thr Pro Lys Gly Ser Ser Ser Trp Gln Thr Ser Arg Pro Pro Ala
      1160      1165      1170
Gln Gly Ala Ser Trp Pro Pro Gln Ala Lys Pro Pro Pro Lys Ala
      1175      1180      1185
Cys Thr Gln Pro Arg Pro Asn Tyr Ala Ser Asn Phe Ser Val Ile
      1190      1195      1200
Gly Ala Arg Glu Glu Arg Gly Val Arg Ala Pro Ser Phe Ala Gln
      1205      1210      1215
Lys Pro Lys Val Ser Glu Asn Asp Phe Glu Asp Leu Leu Ser Asn
      1220      1225      1230
Gln Gly Phe Ser Ser Arg Ser Asp Lys Lys Gly Pro Lys Thr Ile
      1235      1240      1245
Ala Glu Met Arg Lys Gln Asp Leu Ala Lys Asp Thr Asp Pro Leu
      1250      1255      1260
Lys Leu Lys Leu Leu Asp Trp Ile Glu Gly Lys Glu Arg Asn Ile
      1265      1270      1275
Arg Ala Leu Leu Ser Thr Leu His Thr Val Leu Trp Asp Gly Glu
      1280      1285      1290
Ser Arg Trp Thr Pro Val Gly Met Ala Asp Leu Val Ala Pro Glu
      1295      1300      1305
Gln Val Lys Lys His Tyr Arg Arg Ala Val Leu Ala Val His Pro
      1310      1315      1320
Asp Lys Ala Ala Gly Gln Pro Tyr Glu Gln His Ala Lys Met Ile
      1325      1330      1335
Phe Met Glu Leu Asn Asp Ala Trp Ser Glu Phe Glu Asn Gln Gly
      1340      1345      1350
Ser Arg Pro Leu Phe
      1355

```

&lt;210&gt; 34

&lt;211&gt; 490

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7526208CD1

&lt;400&gt; 34

```

Met Ala Ser Thr Thr Thr Cys Thr Arg Phe Thr Asp Glu Tyr Gln
  1      5      10
Leu Phe Glu Glu Leu Gly Lys Gly Ala Phe Ser Val Val Arg Arg
  20      25      30
Cys Met Lys Ile Pro Thr Gly Gln Glu Tyr Ala Ala Lys Ile Ile
  35      40      45
Asn Thr Lys Lys Leu Ser Ala Arg Val Arg Leu His Asp Ser Ile
  50      55      60
Ser Glu Glu Gly Phe His Tyr Leu Val Phe Asp Leu Val Thr Gly
  65      70      75
Gly Glu Leu Phe Glu Asp Ile Val Ala Arg Glu Tyr Tyr Ser Glu
  80      85      90
Ala Asp Ala Ser His Cys Ile Gln Gln Ile Leu Glu Ala Val Leu
  95      100      105
His Cys His Gln Met Gly Val Val His Arg Asp Leu Lys Pro Glu
  110      115      120
Asn Leu Leu Leu Ala Ser Lys Ser Lys Gly Ala Ala Val Lys Leu
  125      130      135
Ala Asp Phe Gly Leu Ala Ile Glu Val Gln Gly Asp Gln Gln Ala
  140      145      150
Trp Phe Gly Phe Ala Gly Thr Pro Gly Tyr Leu Ser Pro Glu Val
  155      160      165
Leu Arg Lys Asp Pro Tyr Gly Lys Pro Val Asp Met Trp Ala Cys

```

```

170      175      180
Gly Val Ile Leu Tyr Ile Leu Leu Val Gly Tyr Pro Pro Phe Trp
185      190      195
Asp Glu Asp Gln His Arg Leu Tyr Gln Gln Ile Lys Ala Gly Ala
200      205      210
Tyr Asp Phe Pro Ser Pro Glu Trp Asp Thr Val Thr Pro Glu Ala
215      220      225
Lys Asp Leu Ile Asn Lys Met Leu Thr Ile Asn Pro Ala Lys Arg
230      235      240
Ile Thr Ala Ser Glu Ala Leu Lys His Pro Trp Ile Cys Gln Arg
245      250      255
Ser Thr Val Ala Ser Met Met His Arg Gln Glu Thr Val Asp Cys
260      265      270
Leu Lys Lys Phe Asn Ala Arg Arg Lys Leu Lys Gly Ala Ile Leu
275      280      285
Thr Thr Met Leu Ala Thr Arg Asn Phe Ser Ala Ala Lys Ser Leu
290      295      300
Leu Lys Lys Pro Asp Gly Val Lys Lys Arg Lys Ser Ser Ser Ser
305      310      315
Val Gln Met Met Glu Ser Thr Glu Ser Ser Asn Thr Thr Ile Glu
320      325      330
Asp Glu Asp Val Glu Ala Arg Lys Gln Glu Ile Ile Lys Val Thr
335      340      345
Glu Gln Leu Ile Glu Ala Ile Asn Asn Gly Asp Phe Glu Ala Tyr
350      355      360
Thr Lys Ile Cys Asp Pro Gly Leu Thr Ala Phe Glu Pro Glu Ala
365      370      375
Leu Gly Asn Leu Val Glu Gly Met Asp Phe His Arg Phe Tyr Phe
380      385      390
Glu Asn Ala Leu Ser Lys Ser Asn Lys Pro Ile His Thr Ile Ile
395      400      405
Leu Asn Pro His Val His Leu Val Gly Asp Asp Ala Ala Cys Ile
410      415      420
Ala Tyr Ile Arg Leu Thr Gln Tyr Met Asp Gly Ser Gly Met Pro
425      430      435
Lys Thr Met Gln Ser Glu Glu Thr Arg Val Trp His Arg Arg Asp
440      445      450
Gly Lys Trp Gln Asn Val His Phe His Arg Ser Gly Ser Pro Thr
455      460      465
Val Pro Ile Lys Pro Pro Cys Ile Pro Asn Gly Lys Glu Asn Phe
470      475      480
Ser Gly Gly Thr Ser Leu Trp Gln Asn Ile
485      490

```

&lt;210&gt; 35

&lt;211&gt; 344

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7526212CD1

&lt;400&gt; 35

```

Met Ala Ser Thr Thr Thr Cys Thr Arg Phe Thr Asp Glu Tyr Gln
1      5      10      15
Leu Phe Glu Glu Leu Gly Lys Gly Ala Phe Ser Val Val Arg Arg
20      25      30
Cys Met Lys Ile Pro Thr Gly Gln Glu Tyr Ala Ala Lys Ile Ile
35      40      45
Asn Thr Lys Lys Leu Ser Ala Arg Val Arg Leu His Asp Ser Ile
50      55      60
Ser Glu Glu Gly Phe His Tyr Leu Val Val Asp Leu Val Thr Gly
65      70      75

```

```

Gly Glu Leu Phe Glu Asp Ile Val Ala Arg Glu Tyr Tyr Ser Glu
      80      85      90
Ala Asp Ala Ser His Cys Ile Gln Gln Ile Leu Glu Ala Val Leu
      95     100    105
His Cys His Gln Met Gly Val Val His Arg Asp Leu Lys Pro Glu
     110    115    120
Asn Leu Leu Leu Ala Ser Lys Ser Lys Gly Ala Ala Val Lys Leu
     125    130    135
Ala Asp Phe Gly Leu Ala Ile Glu Val Gln Gly Asp Gln Gln Ala
     140    145    150
Trp Phe Gly Phe Ala Gly Thr Pro Gly Tyr Leu Ser Pro Glu Val
     155    160    165
Leu Arg Lys Asp Pro Tyr Gly Lys Pro Val Asp Met Trp Ala Cys
     170    175    180
Gly Val Ile Leu Tyr Ile Leu Leu Val Gly Tyr Pro Pro Phe Trp
     185    190    195
Asp Glu Asp Gln His Arg Leu Tyr Gln Gln Ile Lys Ala Gly Ala
     200    205    210
Tyr Asp Phe Pro Ser Pro Glu Trp Asp Thr Val Thr Pro Glu Ala
     215    220    225
Lys Asp Leu Ile Asn Lys Met Leu Thr Ile Asn Pro Ala Lys Arg
     230    235    240
Ile Thr Ala Ser Glu Ala Leu Lys His Pro Trp Ile Cys Gln Arg
     245    250    255
Ser Thr Val Ala Ser Met Met His Arg Gln Glu Thr Val Asp Cys
     260    265    270
Leu Lys Lys Phe Asn Ala Arg Arg Lys Leu Lys Gly Ala Ile Leu
     275    280    285
Thr Thr Met Leu Ala Thr Arg Asn Phe Ser Ala Ala Lys Ser Leu
     290    295    300
Leu Lys Lys Pro Asp Gly Val Lys Glu Ser Thr Glu Ser Ser Asn
     305    310    315
Thr Thr Ile Glu Asp Glu Asp Val Lys Gly Thr Val Ala His Ala
     320    325    330
Cys Asn Pro Ser Thr Leu Gly Gly Arg Gly Gly Gln Ile Thr
     335    340

```

&lt;210&gt; 36

&lt;211&gt; 89

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7526213CD1

&lt;400&gt; 36

```

Met Lys Lys Phe Ser Arg Met Pro Lys Ser Glu Gly Gly Ser Gly
  1      5      10      15
Gly Gly Ala Ala Gly Gly Gly Ala Gly Gly Ala Gly Ala
  20     25     30
Gly Cys Gly Ser Gly Gly Ser Ser Val Gly Val Arg Val Phe Ala
  35     40     45
Val Gly Arg His Gln Val Thr Leu Glu Glu Ser Leu Ala Glu Val
  50     55     60
Ile Gln Met Leu Pro Val Gln Glu Pro Arg Leu Glu Tyr Arg Val
  65     70     75
Pro Leu Ile Ser Ser Gly Arg Arg Arg Leu Arg Arg Arg Cys
  80     85

```

&lt;210&gt; 37

&lt;211&gt; 88

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7526214CD1

&lt;400&gt; 37

Met	Lys	Lys	Phe	Ser	Arg	Met	Pro	Lys	Ser	Glu	Gly	Gly	Ser	Gly
1				5					10					15
Gly	Gly	Ala	Ala	Gly	Gly	Gly	Ala	Gly	Gly	Ala	Gly	Ala	Gly	Ala
				20					25					30
Gly	Cys	Gly	Ser	Gly	Gly	Ser	Ser	Val	Gly	Val	Arg	Val	Phe	Ala
				35					40					45
Val	Gly	Arg	His	Gln	Val	Thr	Leu	Glu	Glu	Ser	Leu	Ala	Glu	Gly
				50					55					60
Thr	Gly	Ala	Arg	Gly	Gly	Ser	Asp	Arg	Gln	Val	Asp	Ser	Pro	Gln
				65					70					75
Phe	Ser	Ser	Cys	Val	Leu	Thr	Val	Glu	Ser	Asp	Val	His		
				80					85					

&lt;210&gt; 38

&lt;211&gt; 137

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7526228CD1

&lt;400&gt; 38

Met	Ser	Thr	Ala	Ser	Ala	Ala	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ala
1				5					10					15
Gly	Glu	Met	Ile	Glu	Ala	Pro	Ser	Gln	Val	Leu	Asn	Phe	Glu	Glu
				20					25					30
Ile	Asp	Tyr	Lys	Glu	Ile	Glu	Val	Glu	Glu	Val	Val	Gly	Arg	Gly
				35					40					45
Ala	Phe	Gly	Val	Val	Cys	Lys	Ala	Lys	Trp	Arg	Ala	Lys	Asp	Val
				50					55					60
Ala	Ile	Lys	Gln	Ile	Glu	Ser	Glu	Ser	Glu	Arg	Lys	Ala	Phe	Ile
				65					70					75
Val	Glu	Leu	Arg	Gln	Leu	Ser	Arg	Val	Asn	His	Pro	Asn	Ile	Val
				80					85					90
Lys	Leu	Tyr	Gly	Ala	Cys	Leu	Asn	Pro	Val	Cys	Leu	Val	Met	Glu
				95					100					105
Tyr	Ala	Glu	Gly	Gly	Ser	Leu	Tyr	Asn	Val	Cys	Ala	Phe	Leu	Ser
				110					115					120
Gln	Cys	Cys	Met	Val	Leu	Asn	His	Cys	His	Ile	Ile	Leu	Leu	Pro
				125					130					135
Thr	Gln													

&lt;210&gt; 39

&lt;211&gt; 243

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7526246CD1

&lt;400&gt; 39

Met	Ala	Asp	Leu	Glu	Ala	Val	Leu	Ala	Asp	Val	Ser	Tyr	Leu	Met
1				5					10					15
Ala	Met	Glu	Lys	Ser	Lys	Ala	Thr	Pro	Ala	Ala	Arg	Ala	Ser	Lys
				20					25					30
Lys	Ile	Leu	Leu	Pro	Glu	Pro	Ser	Ile	Arg	Ser	Val	Met	Gln	Lys

```

      35      40      45
Tyr Leu Glu Asp Arg Gly Glu Val Thr Phe Glu Lys Ile Phe Ser
      50      55      60
Gln Lys Leu Gly Tyr Leu Leu Phe Arg Asp Phe Cys Leu Asn His
      65      70      75
Leu Glu Glu Ala Arg Pro Leu Val Glu Phe Tyr Glu Glu Ile Lys
      80      85      90
Lys Tyr Glu Lys Leu Glu Thr Glu Glu Arg Val Ala Arg Ser
      95     100     105
Arg Glu Ile Phe Asp Ser Tyr Ile Met Lys Glu Leu Leu Ala Cys
     110     115     120
Ser His Pro Phe Ser Lys Ser Ala Thr Glu His Val Gln Gly His
     125     130     135
Leu Gly Lys Lys Gln Val Pro Pro Asp Leu Phe Gln Pro Tyr Ile
     140     145     150
Glu Glu Ile Cys Gln Asn Leu Arg Gly Asp Val Phe Gln Lys Phe
     155     160     165
Ile Glu Ser Asp Lys Phe Thr Arg Phe Cys Gln Trp Lys Asn Val
     170     175     180
Glu Leu Asn Ile His Val Ser Gly Leu Gly Trp Gly Met Glu Ser
     185     190     195
His Ala Pro Cys Cys Ser Ser Pro Gly Ser Trp Ala Cys Gly Leu
     200     205     210
Ala Gly Arg Gly Arg Ser Gly Asp Val Cys Pro Leu Ala Pro Arg
     215     220     225
Ala Val Ala Met Gly Val Arg Ala Gly Ile Pro Ala Trp Gly Gly
     230     235     240
Arg Ser Arg

```

&lt;210&gt; 40

&lt;211&gt; 463

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7526258CD1

&lt;400&gt; 40

```

Met Arg Arg Pro Arg Gly Glu Pro Gly Pro Arg Ala Pro Arg Pro
  1      5      10      15
Thr Glu Gly Ala Thr Cys Ala Gly Pro Gly Glu Ser Trp Ser Pro
      20      25      30
Ser Pro Asn Ser Met Leu Arg Val Leu Leu Ser Ala Gln Thr Ser
      35      40      45
Pro Ala Arg Leu Ser Gly Leu Leu Leu Ile Pro Pro Val Gln Pro
      50      55      60
Cys Cys Leu Gly Pro Ser Lys Trp Gly Asp Arg Pro Val Gly Gly
      65      70      75
Gly Pro Ser Ala Gly Pro Val Gln Gly Leu Gln Arg Leu Leu Glu
      80      85      90
Gln Ala Lys Ser Pro Gly Glu Leu Leu Arg Trp Leu Gly Gln Asn
      95     100     105
Pro Ser Lys Val Arg Ala His His Tyr Ser Val Ala Leu Arg Arg
     110     115     120
Leu Gly Gln Leu Leu Gly Ser Arg Pro Arg Pro Pro Pro Val Glu
     125     130     135
Gln Val Thr Leu Gln Asp Leu Ser Gln Leu Ile Ile Arg Asn Cys
     140     145     150
Pro Ser Phe Asp Ile His Thr Ile His Val Cys Leu His Leu Ala
     155     160     165
Val Leu Leu Gly Phe Pro Ser Asp Gly Pro Leu Val Cys Ala Leu
     170     175     180

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<210> 41
<211> 184
<212> PRT
<213> Homo sapiens
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<220>  
<221> misc_feature  
<223> Incyte ID No: 7526311CD1
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Met	Arg	Leu	Ala	Arg	Leu	Leu	Arg	Gly	Ala	Ala	Leu	Ala	Gly	Pro
1				5					10					15
Gly	Pro	Gly	Leu	Arg	Ala	Ala	Gly	Phe	Ser	Arg	Ser	Phe	Ser	Ser
				20					25					30
Asp	Ser	Gly	Ser	Ser	Pro	Ala	Ser	Glu	Arg	Gly	Val	Pro	Gly	Gln
				35					40					45
Val	Asp	Phe	Tyr	Ala	Arg	Phe	Ser	Pro	Ser	Pro	Leu	Ser	Met	Lys
				50					55					60
Gln	Phe	Leu	Asp	Phe	Gly	Ser	Val	Asn	Ala	Cys	Glu	Lys	Thr	Ser
				65					70					75
Phe	Met	Phe	Leu	Arg	Gln	Glu	Leu	Pro	Val	Arg	Leu	Ala	Asn	Ile
				80					85					90
Met	Lys	Glu	Ile	Ser	Leu	Leu	Pro	Asp	Asn	Leu	Leu	Arg	Thr	Pro
				95					100					105
Ser	Val	Gln	Leu	Val	Gln	Ser	Trp	Tyr	Ile	Gln	Ser	Leu	Gln	Glu

110	115	120
Leu Leu Asp Phe Lys Asp Lys Ser Ala	Glu Asp Ala Lys Ala	Ile
125	130	135
Tyr Glu Arg Pro Arg Arg Thr Trp Leu	Gln Val Ser Ser Leu	Cys
140	145	150
Cys Met Ala Cys Lys Met Ile Phe Ile	Val Trp Trp Lys Arg	Gln
155	160	165
Arg Lys Ser Ile Ser Ser Lys Thr His	Trp Lys His Lys Ser	Lys
170	175	180
Leu Gln Cys Thr		

<210> 42  
 <211> 386  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7526315CD1

<400> 42

Met Ser Ser Leu Gly Ala Ser Phe Val Gln Ile Lys Phe Asp Asp	1	5	10	15
Leu Gln Phe Phe Glu Asn Cys Gly Gly Gly Ser Phe Gly Ser Val	20	25	30	35
Tyr Arg Ala Lys Trp Ile Ser Gln Asp Lys Glu Val Ala Val Lys	40	45	50	55
Lys Leu Leu Lys Ile Glu Lys Glu Ala Glu Ile Leu Ser Val Leu	60	65	70	75
Ser His Arg Asn Ile Ile Gln Phe Tyr Gly Val Ile Leu Glu Pro	80	85	90	95
Pro Asn Tyr Gly Ile Val Thr Glu Tyr Ala Ser Leu Gly Ser Leu	100	105	110	115
Tyr Asp Tyr Ile Asn Ser Asn Arg Ser Glu Glu Met Asp Met Asp	120	125	130	135
His Ile Met Thr Trp Ala Thr Asp Val Ala Lys Gly Met His Tyr	140	145	150	155
Leu His Met Glu Ala Pro Val Lys Val Ile His Arg Asp Leu Lys	160	165	170	175
Ser Arg Asn Val Val Ile Ala Ala Asp Gly Val Leu Lys Ile Cys	180	185	190	195
Asp Phe Gly Ala Ser Arg Leu His Asn His Thr Thr His Met Ser	200	205	210	215
Leu Val Gly Thr Phe Pro Trp Met Ala Pro Glu Val Ile Gln Ser	220	225	230	235
Lys Lys Leu Glu Arg Asp Leu Ser Phe Lys Glu Gln Glu Leu Lys	240	245	250	255
Glu Arg Glu Arg Arg Leu Lys Met Trp Glu Gln Lys Leu Thr Glu	260	265	270	275
Gln Ser Asn Thr Pro Leu Leu Leu Pro Leu Val Ala Arg Met Ser	280	285	290	295
Glu Glu Ser Tyr Phe Glu Ser Lys Thr Glu Glu Ser Asn Ser Ala	300	305	310	315

```

Asp Ile Phe Ser Met Asn Lys Ala Gly Ala Val Met His Ser Gly
                320                325
Met Gln Ile Asn Met Gln Ala Lys Gln Asn Ser Ser Lys Thr Thr
                335                340                345
Ser Lys Arg Arg Gly Lys Lys Val Asn Met Ala Leu Gly Phe Ser
                350                355                360
Asp Phe Asp Leu Ser Glu Gly Asp Asp Asp Asp Asp Asp Gly
                365                370                375
Glu Glu Glu Asp Asn Asp Met Asp Asn Ser Glu
                380                385

```

<210> 43  
 <211> 152  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7526442CD1

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          20          25          30
Ala Leu Lys Lys Val Ala Leu Arg Arg Leu Glu Asp Gly Phe Pro
          35          40          45
Asn Gln Ala Leu Arg Glu Ile Lys Ala Leu Gln Glu Met Glu Asp
          50          55          60
Asn Gln Tyr Val Val Gln Leu Lys Ala Val Phe Pro His Gly Gly
          65          70          75
Gly Phe Val Leu Ala Phe Glu Phe Met Leu Ser Asp Leu Ala Glu
          80          85          90
Val Val Arg His Ala Gln Arg Pro Leu Ala Gln Ala Gln Val Lys
          95          100          105
Ser Tyr Leu Gln Met Leu Leu Lys Gly Val Ala Phe Cys His Ala
          110          115          120
Asn Asn Ile Val His Arg Asp Leu Pro Pro Arg Pro Ile Gln Gly
          125          130          135
Pro Pro Thr Ser Met Thr Ser Thr Trp Thr Gly Leu Leu Arg Ser
          140          145          150
Arg Cys

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<210> 44  
 <211> 1916  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> Incyte ID No: 7517831CB1

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<400> 44
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gatcgtttcc actgtcgggc cgggacttcg accagaacca gggagaggtg gtgaaacatt 540
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&lt;210&gt; 45

&lt;211&gt; 926

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520272CB1

&lt;400&gt; 45

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cgtgtcagaa gaagataaac acgccatcat agtggaaacc gagaaaaggg gtaaatatgt 360
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926

&lt;210&gt; 46

&lt;211&gt; 1382

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7521279CB1

&lt;400&gt; 46

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ccatctttta ttttggagaa cagaatggct acaagacctt ttttgtcgag tccatctgtg 480
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ga 1382

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<210> 47  
 <211> 1678  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7523965CB1

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tcccactggc attcgagatt ttgtagagca cagtggccgc ctgtgccaac cagagggcat 180
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ggatgtggca cgagtagaga gcaagacggt gattgtaact ccttctcagc gggacacggt 360
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ccagcgagct gtggatgaga ggtttccagg ctgcctgcag ggccgcacca tgtatgtgct 480
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<210> 48  
 <211> 895  
 <212> DNA  
 <213> Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7524016CB1

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atgaattctt	tcttccagac	aacatggaag	ccctgcaaat	caggaagcag	tgcgccctgg	300
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gttacaaggt	gtttttcatt	gagtccattt	gtaatgacct	tggcataatt	gcagaaaaca	480
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&lt;210&gt; 49

&lt;211&gt; 1294

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7524680CB1

&lt;400&gt; 49

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&lt;210&gt; 50

&lt;211&gt; 1354

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7524757CB1

&lt;400&gt; 50

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&lt;210&gt; 51

&lt;211&gt; 1204

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7516229CB1

&lt;400&gt; 51

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&lt;210&gt; 52

&lt;211&gt; 1859

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7516525CB1

&lt;400&gt; 52

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&lt;213&gt; Homo sapiens

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&lt;211&gt; 3357

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&lt;213&gt; Homo sapiens

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&lt;223&gt; Incyte ID No: 7517148CB1

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&lt;211&gt; 2036

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7517238CB1

&lt;400&gt; 57

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&lt;210&gt; 58

&lt;211&gt; 2541

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7518685CB1

&lt;400&gt; 58

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&lt;210&gt; 59

&lt;211&gt; 2611

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520192CB1

&lt;400&gt; 59

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&lt;210&gt; 60

&lt;211&gt; 5216

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520428CB1

&lt;400&gt; 60

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&lt;213&gt; Homo sapiens

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&lt;223&gt; Incyte ID No: 7522586CB1

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&lt;223&gt; Incyte ID No: 7524017CB1

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&lt;213&gt; Homo sapiens

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&lt;223&gt; Incyte ID No: 7525773CB1

&lt;400&gt; 63

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